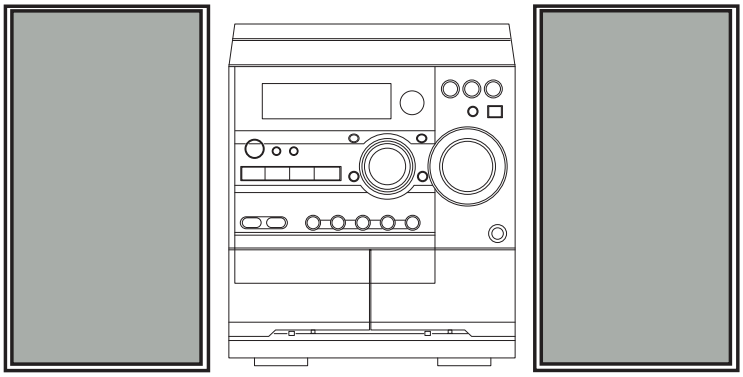
aiwa SERVICE

NSX-D60 U(S)



SERVICE MANUAL

CD STEREO SYSTEM

BASIC CD MECHANISM : BZG-2 ZD5GNC
BASIC TAPE MECHANISM : ZZM-3 YPR4NC

SYSTEM	CD CASSEIVER	SPEAKER	REMOTE CONTROLLER
NSX–D60	CX–ND60	SX–ND60	RC–CAS10

• If requiring information about the CD mechanisim, see Service Manual of BZG-2, (S/M Code No. 09-023-353-2N8).

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S/M Code No. 09-023-453-4R1

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SPECIFICATIONS

MAIN UNIT CX-ND60

TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	13.2 dBf
FM antenna terminal	75 ohms (unbalanced)
AM tuning range	530 kHz to 1710 kHz (10 kHz step) 531 kHz to 1602 kHz (9 kHz step)
AM usable sensitivity	350 µV/m
AM antenna	Loop antenna

AMPLIFIER

Power output	80 W + 80 W (40 Hz - 20 kHz, THD less than 1 %, 6 ohms) 100 W + 100 W (1 kHz, THD less than 10 %, 6 ohms)
Total harmonics distortion	0.08 % (40 W, 1 kHz, 6 ohms, DIN AUDIO)
Input	VIDEO/AUX: 700 mV
Outputs	SPEAKERS: 6 ohms or more PHONES: 32 ohms or more

CASSETTE DECK

Track format	4 tracks, 2 channels stereo
Frequency response	50 Hz - 15 kHz
Recording system	AC bias
Heads	DECK 1: playback x 1 DECK 2: recording/playback x 1, erase x 1

CD PLAYER

Laser	Semiconductor laser (l = 780 nm)
D/A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.05 % (1 kHz, 0 dB)

GENERAL

Power requirements	120 V AC, 60 Hz
Power consumption	92 W
Power consumption in standby mode	With ECO mode on: 0.6 W With ECO mode off: 20 W
Dimensions (W x H x D)	260 x 324 x 315 mm ($10^1/_4$ x $12^7/_8$ x $12^1/_2$ in.)
Weight	7.0 kg (15 lbs 7 oz)

FRONT SPEAKERS SX-ND60

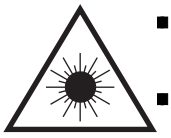
Speaker system	3 way, bass reflex (magnetic shielded)
Speaker units	Woofer: 160 mm ($6^3/_8$ in.) cone Tweeter: 60 mm ($2^3/_8$ in.) cone Super tweeter: 20 mm ($^{13}/_{16}$ in.) ceramic x 2
Impedance	6 ohms
Dimensions (W x H x D)	230 x 324 x 227 mm ($9^1/_8$ x $12^7/_8$ x 9 in.)
Weight	3.8 kg (8 lbs 6 oz)

• Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herin may result in hazardous radiation exposure.

ATTENTION
L'utillisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

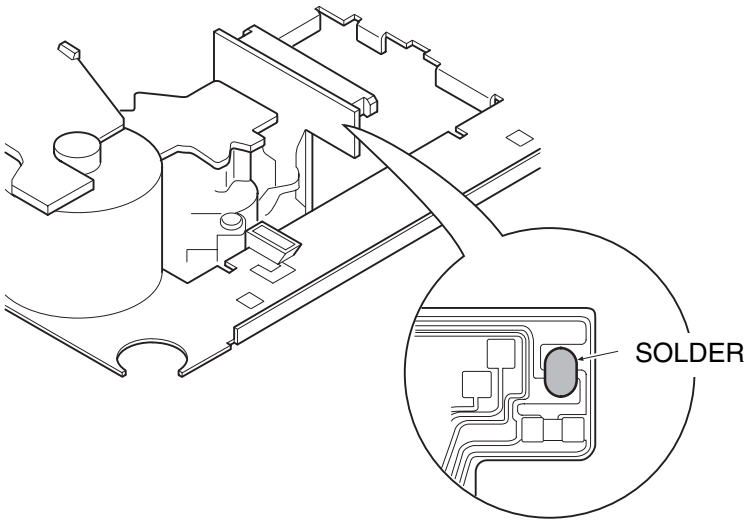
This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT

Precaution to replace Optical block **(KSM213RSCM)**

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.



NOTE ON BEFORE STARTING REPAIR

1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.
In order to prevent the secondary trouble, perform the following measures before starting repair work.

Discharge procedure

① Remove the AC power cord.
② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

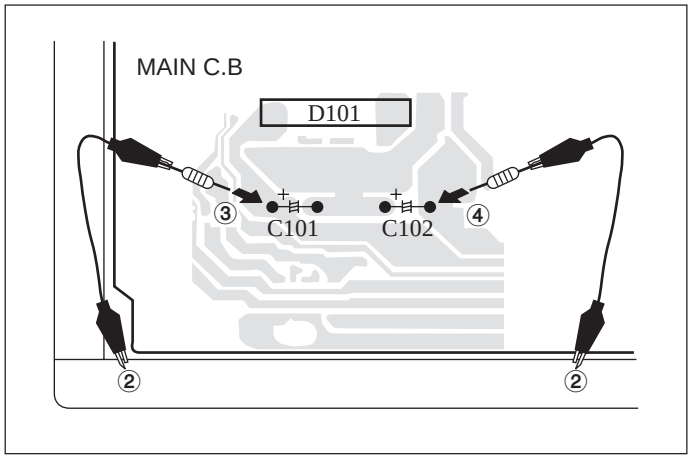


Fig-1

Select a discharging resistor referring to the following table.

Charging voltage (V) (C101, 102)	Discharging resistor (Ω)	Rated power (W)	Parts number
25-48	100	3	87-A00-247-090
49-140	220	5	87-A00-232-090

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is "H", the MICROCOMPUTER is judged to be operating correctly. When this terminal is "L", the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.
When the MICROCOMPUTER is not defective, the HOLD terminal can also go "L" when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to "L".

- Good or no good judgement of the MICROCOMPUTER

① Turn on the AC main power.
② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the "H" level or not.
③ When the HOLD terminal is "L" level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

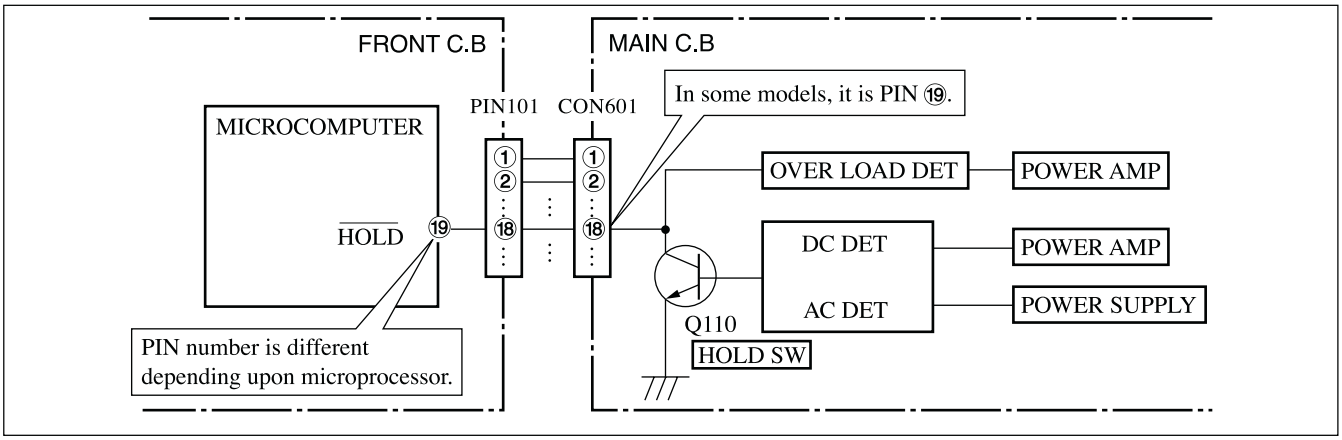


Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.
When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

① Remove the AC power cord.

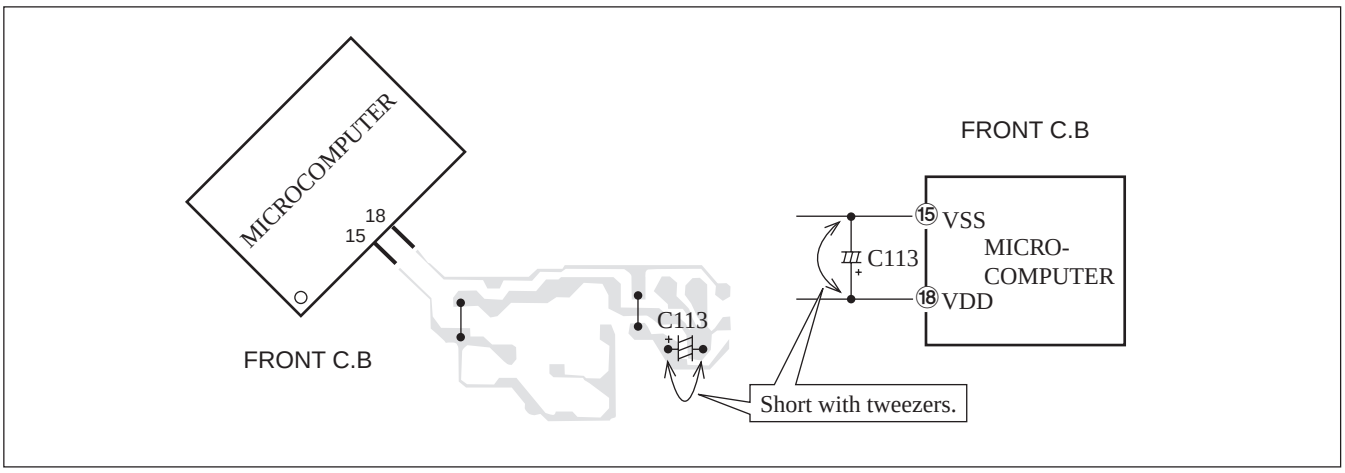


Fig-2-2

② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

ELECTRICAL PARTS LIST (CX – SND60)

! = ⚠ SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
FRONT		O	C 0108	87-010-785-080	C-CAP,U 0.015-25 K B GRM	a
FRONT		O	C 0153	87-010-787-080	C-CAP,U 0.022-25 K B	a
FRONT		O	C 0154	87-010-246-040	CAP,E 47-35 M 11L SME	a
FRONT		O	C 0155	87-010-404-040	CAP,E 4.7-50 M 11L SME	a
FRONT		O	C 0156	87-010-404-040	CAP,E 4.7-50 M 11L SME	a
FRONT		O	C 0301	87-012-278-080	C-CAP,U 2200P-50 K B	a
FRONT		O	C 0351	87-A10-353-080	C-CAP,U 0.22-10 K B	a
FRONT		O	C 0361	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT		O	C 0362	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT		O	C 0371	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT		O	C 0372	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT		O	C 0601	87-010-382-040	CAP,E 22-25 M 11L SME	a
FRONT		O	C 0801	87-A10-353-080	C-CAP,U 0.22-10 K B	a
FRONT		O	C 0803	87-012-280-080	C-CAP,U 3300P-50 K B	a
FRONT		O	C 0804	87-A10-592-080	C-CAP,S 0.015-50 J B	a
FRONT		O	C 0806	87-012-273-080	C-CAP,U 820P-50 K B	a
FRONT		O	C 0808	87-010-544-040	CAP,E 0.1-50 M 11L SME	a
FRONT		O	C 0809	87-010-404-040	CAP,E 4.7-50 M 11L SME	a
FRONT		O	C 0810	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT		O	C 0811	87-A12-052-080	C-CAP,S 0.033-25 J B	a
						CX-SND60 USC
FRONT		O	C 0812	87-012-285-080	C-CAP,U 8200P-50 K B GRM	a
FRONT		O	C 0901	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0902	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0903	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0904	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0905	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0906	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0907	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0908	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0909	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0910	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0911	87-012-274-080	C-CAP,U 1000P-50 K B	a
FRONT		O	C 0912	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT		O	C 0913	87-A10-189-040	CAP,E 220-10 M 5L	a
FRONT		O	C 0915	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT		O	C 0916	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT		O	C 0917	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT		O	C 0919	87-012-286-080	C-CAP,U 0.01-25 K B	a
FRONT		O	C 0920	87-010-829-080	C-CAP,U 0.047-16 Z F	a
FRONT		O	C 0921	87-012-282-080	C-CAP,U 4700P-50 K B	a
						CX-SND60 USC
FRONT		O	C 0922	87-012-195-080	C-CAP,U 100P-50 J CH	a
FRONT		O	C 0923	87-016-116-080	C-CAP,U 0.015-25 J B CB	a
FRONT		O	C 0924	87-016-116-080	C-CAP,U 0.015-25 J B CB	a
FRONT		O	C 0925	87-016-116-080	C-CAP,U 0.015-25 J B CB	a
FRONT		O	C 0951	87-012-172-080	C-CAP,U 10P-50 D CH	a
FRONT		O	C 0952	87-010-854-080	C-CAP,S 560P-50 J CH	a
FRONT		O	C 0953	87-012-349-080	C-CAP,S 1000P-50 J CH GRM	a
FRONT		O	C 0961	87-A12-075-040	CAP,E 10-35 SMG	a
FRONT		O	C 0962	87-012-336-080	C-CAP,U 330P-50 J SL	a
FRONT		O	C 0963	87-010-759-080	C-CAP,U 0.1-25 Z F	a
FRONT		O	CN 0104	87-099-013-010	CONN,11P V BLK 6216	a
FRONT		O	CN 0701	87-099-720-010	CONN,30P BLK TYK-B(P)	a
FRONT		O	CN 0731	87-099-196-010	CONN,8P V BLK 6216	a
FRONT		S	D 0103	87-020-465-080	DIODE,1SS133	a
FRONT		S	D 0104	87-020-465-080	DIODE,1SS133	a
FRONT		S	D 0301	87-A40-234-080	ZENER,MTZJ5.6A	a
FRONT		S	D 0302	87-020-465-080	DIODE,1SS133	a
FRONT		S	D 0601	87-A40-269-080	C-DIODE,MC2836	a
FRONT		S	D 0655	87-A40-269-080	C-DIODE,MC2836	a
FRONT		S	D 0656	87-A40-269-080	C-DIODE,MC2836	a
						CX-SND60 USC
FRONT		S	D 0657	87-A40-269-080	C-DIODE,MC2836	a
FRONT		S	D 0658	87-A40-269-080	C-DIODE,MC2836	a
FRONT		S	D 0659	87-A40-269-080	C-DIODE,MC2836	a
FRONT		S	D 0801	87-020-465-080	DIODE,1SS133	a
FRONT		S	D 0981	87-020-465-080	DIODE,1SS133	a
FRONT		O	FFC0104	88-911-101-110	FF-CABLE,11P 1.25 100MM	a
FRONT		O	FFC0731	88-908-301-110	FF-CABLE,8P 1.25 300MM	a
FRONT		O	FL 0901	8B-NF1-610-010	FL,BJ854GNK BNF-1	a
FRONT		S	IC 0901	8C-NF7-645-030	C-IC,UPD780226GF-031-3BA	a
FRONT		S	IC 0961	87-A21-218-110	IC,NJL64H380A	a
FRONT		O	L 0951	87-A50-655-010	COIL,CLK 4.19MHZ (TOKO)7KLY	a
FRONT		O	LED0201	87-A41-062-040	LED,LTL-1CHEE-012A RED	a
FRONT		O	LED0202	87-A41-120-040	LED,SEL6810ATP5 UMB	a
FRONT		O	LED0203	87-A41-120-040	LED,SEL6810ATP5 UMB	a
FRONT		O	LED0204	87-A41-120-040	LED,SEL6810ATP5 UMB	a
FRONT		S	Q 0102	87-A30-076-080	C-TR,2SC3052F	a
FRONT		S	Q 0104	87-A30-538-040	C-TR,SRA2202S	a
FRONT		S	Q 0301	87-A30-494-080	TR,2SA1980G	a
FRONT		S	Q 0302	87-A30-076-080	C-TR,2SC3052F	a
FRONT		S	Q 0303	87-A30-076-080	C-TR,2SC3052F	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
FRONT		S	Q 0601	87-A30-495-080	TR,2SA1981Y	a
FRONT		S	Q 0602	87-A30-495-080	TR,2SA1981Y	a
FRONT		S	Q 0603	87-A30-200-080	TR,2SA1585SR	a
FRONT		S	Q 0801	87-A30-076-080	C-TR,2SC3052F	a
FRONT		S	Q 0802	87-A30-075-080	C-TR,2SA1235F	a
FRONT		S	Q 0803	87-A30-076-080	C-TR,2SC3052F	a
FRONT		S	Q 0804	87-A30-076-080	C-TR,2SC3052F	a
FRONT		S	Q 0805	87-A30-076-080	C-TR,2SC3052F	a
FRONT		S	Q 0901	87-A30-538-040	C-TR,SRA2202S	a
FRONT		X	R 0109	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT		X	R 0110	88-108-153-080	C-RES,U 15K-1/16W J	a
FRONT		X	R 0111	88-108-333-080	C-RES,U 33K-1/16W J	a
FRONT		X	R 0112	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT		X	R 0114	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0115	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0116	88-108-124-080	C-RES,U 120K-1/16W J	a
FRONT		X	R 0151	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT		X	R 0152	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT		X	R 0153	88-128-821-080	C-RES, 820-1/8W J	a
FRONT		X	R 0154	88-128-821-080	C-RES, 820-1/8W J	a
						CX-SND60 USC
FRONT		X	R 0155	88-108-332-080	C-RES,U 3.3K-1/16W J	a
FRONT		X	R 0156	88-108-332-080	C-RES,U 3.3K-1/16W J	a
FRONT		X	R 0160	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0161	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0162	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0163	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0164	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0165	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0166	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0201	88-128-681-080	C-RES, 680-1/8W J	a
FRONT		X	R 0202	88-128-681-080	C-RES, 680-1/8W J	a
FRONT		X	R 0203	88-128-681-080	C-RES, 680-1/8W J	a
FRONT		X	R 0208	88-128-102-080	C-RES, 1K-1/8W J	a
FRONT		X	R 0301	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0302	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0303	88-108-153-080	C-RES,U 15K-1/16W J	a
FRONT		X	R 0304	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0306	88-108-471-080	C-RES,U 470-1/16W J	a
FRONT		X	R 0321	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0322	88-108-102-080	C-RES,U 1K-1/16W J	a
						CX-SND60 USC
FRONT		X	R 0323	88-108-821-080	C-RES,U 820-1/16W J	a
FRONT		X	R 0324	88-108-122-080	C-RES,U 1.2K-1/16W J	a
FRONT		X	R 0325	88-108-122-080	C-RES,U 1.2K-1/16W J	a
FRONT		X	R 0326	88-121-122-080	RES,1.2K-1/8W J	a
FRONT		X	R 0327	88-108-182-080	C-RES,U 1.8K-1/16W J	a
FRONT		X	R 0328	88-121-182-080	RES,1.8K-1/8W J	a
FRONT		X	R 0329	88-108-272-080	C-RES,U 2.7K-1/16W J	a
FRONT		X	R 0330	88-108-332-080	C-RES,U 3.3K-1/16W J	a
FRONT		X	R 0331	88-121-472-080	RES,4.7K-1/8W J	a
FRONT		X	R 0332	88-108-682-080	C-RES,U 6.8K-1/16W J	a
FRONT		X	R 0333	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0334	88-108-183-080	C-RES,U 18K-1/16W J	a
FRONT		X	R 0335	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		X	R 0341	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0342	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0343	88-108-821-080	C-RES,U 820-1/16W J	a
FRONT		X	R 0344	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0345	88-108-122-080	C-RES,U 1.2K-1/16W J	a
FRONT		X	R 0346	88-108-122-080	C-RES,U 1.2K-1/16W J	a
FRONT		X	R 0347	88-108-182-080	C-RES,U 1.8K-1/16W J	a
						CX-SND60 USC
FRONT		X	R 0348	88-108-182-080	C-RES,U 1.8K-1/16W J	a
FRONT		X	R 0361	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0362	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0363	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT		X	R 0364	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT		X	R 0371	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0372	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0373	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT		X	R 0374	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT		X	R 0601	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0602	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT		X	R 0603	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0604	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT		X	R 0605	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0606	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0607	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0612	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		X	R 0613	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		X	R 0614	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		X	R 0615	88-108-473-080	C-RES,U 47K-1/16W J	a

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						CX-SND60 USC
FRONT		X	R 0616	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		X	R 0655	88-108-152-080	C-RES,U 1.5K-1/16W J	a
FRONT		X	R 0656	88-108-152-080	C-RES,U 1.5K-1/16W J	a
FRONT		X	R 0657	88-108-152-080	C-RES,U 1.5K-1/16W J	a
FRONT		X	R 0658	88-108-152-080	C-RES,U 1.5K-1/16W J	a
FRONT		X	R 0659	88-108-152-080	C-RES,U 1.5K-1/16W J	a
FRONT		X	R 0704	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0705	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0706	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0707	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0708	88-121-102-080	RES,1K-1/8W J	a
FRONT		X	R 0709	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		X	R 0710	88-128-101-080	C-RES, 100-1/8W J	a
FRONT		X	R 0711	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		X	R 0712	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		X	R 0719	88-108-100-080	C-RES,U 10-1/16W J	a
FRONT		X	R 0721	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0730	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0732	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		X	R 0733	88-108-101-080	C-RES,U 100-1/16W J	a
						CX-SND60 USC
FRONT		X	R 0734	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0735	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0740	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0741	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		X	R 0742	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0743	88-108-474-080	C-RES,U 470K-1/16W J	a
FRONT		X	R 0744	88-108-823-080	C-RES,U 82K-1/16W J	a
FRONT		X	R 0745	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0749	88-108-474-080	C-RES,U 470K-1/16W J	a
FRONT		X	R 0803	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0804	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT		X	R 0805	88-108-273-080	C-RES,U 27K-1/16W J	a
FRONT		X	R 0806	88-108-562-080	C-RES,U 5.6K-1/16W J	a
FRONT		X	R 0807	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0808	88-121-101-080	RES,100-1/8W J	a
FRONT		X	R 0809	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0810	88-108-182-080	C-RES,U 1.8K-1/16W J	a
FRONT		X	R 0811	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT		X	R 0813	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT		X	R 0815	88-108-272-080	C-RES,U 2.7K-1/16W J	a
						CX-SND60 USC
FRONT		X	R 0816	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0818	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT		X	R 0819	88-108-222-080	C-RES,U 2.2K-1/16W J	a
FRONT		X	R 0820	88-108-101-080	C-RES,U 100-1/16W J	a
FRONT		X	R 0821	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0822	88-108-224-080	C-RES,U 220K-1/16W J	a
FRONT		X	R 0823	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT		X	R 0824	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT		X	R 0825	88-100-000-010	PLATING-JW, 0.58 SN95	a
FRONT		X	R 0826	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0827	88-108-473-080	C-RES,U 47K-1/16W J	a
FRONT		X	R 0901	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0902	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0903	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0904	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0905	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0906	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0907	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0908	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0909	88-108-104-080	C-RES,U 100K-1/16W J	a
						CX-SND60 USC
FRONT		X	R 0910	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0911	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0912	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0913	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0914	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0915	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0916	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0917	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0918	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0919	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0920	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0921	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0922	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0923	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0924	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0925	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0926	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0927	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0928	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0929	88-108-104-080	C-RES,U 100K-1/16W J	a

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						CX-SND60 USC
FRONT		X	R 0930	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0931	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0932	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0933	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0934	88-108-683-080	C-RES,U 68K-1/16W J	a
FRONT		X	R 0935	88-108-683-080	C-RES,U 68K-1/16W J	a
FRONT		X	R 0936	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0937	88-128-472-080	C-RES, 4.7K-1/8W J	a
FRONT		X	R 0938	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0939	88-108-472-080	C-RES,U 4.7K-1/16W J	a
FRONT		X	R 0940	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0941	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0942	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0943	88-121-472-080	RES,4.7K-1/8W J	a
FRONT		X	R 0946	88-108-000-080	C-JUMPER,U	a
FRONT		X	R 0947	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0948	88-121-104-080	RES,100K-1/8W J	a
FRONT		X	R 0951	88-108-102-080	C-RES,U 1K-1/16W J	a
FRONT		X	R 0955	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0956	88-108-104-080	C-RES,U 100K-1/16W J	a
						CX-SND60 USC
FRONT		X	R 0957	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0958	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0961	88-121-181-080	RES,180-1/8W J	a
FRONT		X	R 0962	88-108-563-080	C-RES,U 56K-1/16W J	a
FRONT		X	R 0969	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0970	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0971	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0972	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0973	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0974	88-108-104-080	C-RES,U 100K-1/16W J	a
FRONT		X	R 0981	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0982	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0983	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0984	88-108-103-080	C-RES,U 10K-1/16W J	a
FRONT		X	R 0985	88-121-103-080	RES,10K-1/8W J	a
FRONT		X	R 0986	88-121-103-080	RES,10K-1/8W J	a
FRONT		O	S 0321	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0322	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0323	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0324	87-A91-024-180	SW,TACT KSHG611BT	a
						CX-SND60 USC
FRONT		O	S 0325	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0326	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0327	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0328	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0329	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0330	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0331	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0332	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0333	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0334	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0335	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0341	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0342	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0343	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0344	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0345	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0346	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0347	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0348	87-A91-024-180	SW,TACT KSHG611BT	a
FRONT		O	S 0361	87-A92-359-010	SW,RTRY EC12E24604-30MM	a
						CX-SND60 USC
FRONT		O	S 0371	87-A92-273-010	SW,RTRY EC12E12204 30MM	a
HP		O	J 0201	8C-NF8-680-010	JACK,CKX-3.5-25 ST W/O SW	a
HP		O	R 0243	87-A00-441-050	RES,270-1/2W J RP	a
HP		O	R 0244	87-A00-441-050	RES,270-1/2W J RP	a
HP		O	R 0245	87-A00-441-050	RES,270-1/2W J RP	a
HP		O	R 0246	87-A00-441-050	RES,270-1/2W J RP	a
HP		X	R 0265	88-128-222-080	C-RES, 2.2K-1/8W J	a
HP		X	R 0266	88-128-222-080	C-RES, 2.2K-1/8W J	a
HP		O	WH 0201	87-A90-459-010	HLDR,WIRE 2.5-5P	a
MAIN		O	C 0003	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0004	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0005	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0006	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0009	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0010	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0011	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0012	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0013	87-012-282-080	C-CAP,U 4700P-50 K B	a
MAIN		O	C 0014	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN		O	C 0015	87-010-263-080	CAP,E 100-10 M 11L SME	a

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						CX-SND60 USC
MAIN		O	C 0016	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0019	87-A12-832-000	CAP,E 3300-56 M 85 GS	a
MAIN		O	C 0020	87-A12-832-000	CAP,E 3300-56 M 85 GS	a
MAIN		O	C 0021	87-A12-439-000	CAP,E 4700-35 M 85 IV LELON	a
MAIN		O	C 0022	87-A12-439-000	CAP,E 4700-35 M 85 IV LELON	a
MAIN		O	C 0031	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN		O	C 0034	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN		O	C 0035	87-A12-091-080	CAP,E 10-50 SMG	a
MAIN		O	C 0036	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN		O	C 0060	87-010-403-080	CAP,E 3.3-50 M 11L SME	a
MAIN		O	C 0061	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN		O	C 0083	87-010-387-080	CAP,E 470-25 M SME	a
MAIN		O	C 0097	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN		O	C 0101	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0102	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0103	87-010-546-080	CAP,E 0.33-50 M 11L SME	a
MAIN		O	C 0104	87-010-546-080	CAP,E 0.33-50 M 11L SME	a
MAIN		O	C 0107	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN		O	C 0108	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN		O	C 0111	87-010-407-080	CAP,E 33-50 M 11L SME	a
						CX-SND60 USC
MAIN		O	C 0112	87-010-407-080	CAP,E 33-50 M 11L SME	a
MAIN		O	C 0113	87-A10-596-080	C-CAP,S 100P-100 J CH	a
MAIN		O	C 0114	87-A10-596-080	C-CAP,S 100P-100 J CH	a
MAIN		O	C 0117	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0118	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0119	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0120	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0121	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0122	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0123	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a
MAIN		O	C 0124	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a
MAIN		O	C 0125	87-A10-596-080	C-CAP,S 100P-100 J CH	a
MAIN		O	C 0126	87-A10-596-080	C-CAP,S 100P-100 J CH	a
MAIN		O	C 0133	87-012-282-080	C-CAP,U 4700P-50 K B	a
MAIN		O	C 0140	87-012-278-080	C-CAP,U 2200P-50 K B	a
MAIN		O	C 0145	87-010-971-080	C-CAP,S 4700P-50 J B	a
MAIN		O	C 0146	87-010-971-080	C-CAP,S 4700P-50 J B	a
MAIN		O	C 0186	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0187	87-A12-890-080	CAP,E 10-63 VR	a
MAIN		O	C 0188	87-A12-890-080	CAP,E 10-63 VR	a
						CX-SND60 USC
MAIN		O	C 0201	87-A10-260-080	C-CAP,U 0.1-16 K B	a
MAIN		O	C 0225	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0226	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0227	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0228	87-012-368-080	C-CAP,S 0.1-50 Z F	a
MAIN		O	C 0241	87-010-831-080	C-CAP,U 0.1-16 Z F	a
MAIN		O	C 0301	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN		O	C 0302	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN		O	C 0303	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN		O	C 0304	87-012-275-080	C-CAP,U 1200P-50 K B GRM	a
MAIN		O	C 0310	87-012-274-080	C-CAP,U 1000P-50 K B	a
MAIN		O	C 0363	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0451	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0452	87-010-406-080	CAP,E 22-50 M 11L SME	a
MAIN		O	C 0453	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0454	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0455	87-012-279-080	C-CAP,U 2700P-50 K B GRM	a
MAIN		O	C 0456	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0457	87-A12-361-080	CAP,M 5600P-100 J CP	a
MAIN		O	C 0458	87-012-278-080	C-CAP,U 2200P-50 K B	a
						CX-SND60 USC
MAIN		O	C 0459	87-012-271-080	C-CAP,U 560P-50 K B	a
MAIN		O	C 0460	87-A12-317-080	C-CAP,U 0.1-50 Z F	a
MAIN		O	C 0461	87-012-158-080	C-CAP,S 390P-50 J CH GRM	a
MAIN		O	C 0462	87-012-158-080	C-CAP,S 390P-50 J CH GRM	a
MAIN		O	C 0463	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0464	87-012-278-080	C-CAP,U 2200P-50 K B	a
MAIN		O	C 0601	87-012-188-080	C-CAP,U 47P-50 J CH	a
MAIN		O	C 0602	87-012-188-080	C-CAP,U 47P-50 J CH	a
MAIN		O	C 0603	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN		O	C 0604	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN		O	C 0605	87-A12-362-080	CAP,M 6800P-100 J CP	a
MAIN		O	C 0606	87-A12-362-080	CAP,M 6800P-100 J CP	a
MAIN		O	C 0607	87-012-270-080	C-CAP,U 470P-50 K B	a
MAIN		O	C 0608	87-012-270-080	C-CAP,U 470P-50 K B	a
MAIN		O	C 0609	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0610	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0611	87-A12-790-080	C-CAP,U 560P-50 J CH	a
MAIN		O	C 0612	87-A12-790-080	C-CAP,U 560P-50 J CH	a
MAIN		O	C 0613	87-012-280-080	C-CAP,U 3300P-50 K B	a
MAIN		O	C 0614	87-012-280-080	C-CAP,U 3300P-50 K B	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
MAIN		O	C 0615	87-010-545-080	CAP,E 0.22-50 M 11L SME	a
MAIN		O	C 0616	87-010-545-080	CAP,E 0.22-50 M 11L SME	a
MAIN		O	C 0617	87-010-545-080	CAP,E 0.22-50 M 11L SME	a
MAIN		O	C 0618	87-010-545-080	CAP,E 0.22-50 M 11L SME	a
MAIN		O	C 0625	87-012-198-080	C-CAP,U 180P-50 J CH	a
MAIN		O	C 0626	87-012-198-080	C-CAP,U 180P-50 J CH	a
MAIN		O	C 0627	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a
MAIN		O	C 0628	87-012-284-080	C-CAP,U 6800P-50 K B GRM	a
MAIN		O	C 0629	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0630	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0631	87-012-278-080	C-CAP,U 2200P-50 K B	a
MAIN		O	C 0632	87-012-278-080	C-CAP,U 2200P-50 K B	a
MAIN		O	C 0641	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0642	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0651	87-A12-063-080	CAP,E 220-10 SMG	a
MAIN		O	C 0652	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN		O	C 0655	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN		O	C 0656	87-010-784-080	C-CAP,U 0.012-25 K B	a
MAIN		O	C 0663	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0664	87-010-759-080	C-CAP,U 0.1-25 Z F	a
						CX-SND60 USC
MAIN		O	C 0665	87-A10-504-080	C-CAP,U 0.047-16 K B	a
MAIN		O	C 0666	87-A10-504-080	C-CAP,U 0.047-16 K B	a
MAIN		O	C 0677	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0771	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN		O	C 0772	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		X	C 0781	88-108-000-080	C-JUMPER,U	a
MAIN		O	C 0782	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0783	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0784	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0785	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0786	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0788	87-012-167-080	C-CAP,U 5P-50 C CH	a
MAIN		O	C 0789	87-A13-065-080	C-CAP,U 0.027-25 J B	a
MAIN		O	C 0790	87-A13-065-080	C-CAP,U 0.027-25 J B	a
MAIN		O	C 0791	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0792	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0793	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN		O	C 0795	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0796	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0797	87-010-405-080	CAP,E 10-50 M 11L SME	a
						CX-SND60 USC
MAIN		O	C 0798	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0799	87-010-265-080	CAP,E 33-16 M 11L SME	a
MAIN		O	C 0800	87-010-829-080	C-CAP,U 0.047-16 Z F	a
MAIN		O	C 0801	87-010-403-080	CAP,E 3.3-50 M 11L SME	a
MAIN		O	C 0802	87-010-829-080	C-CAP,U 0.047-16 Z F	a
MAIN		O	C 0803	87-010-787-080	C-CAP,U 0.022-25 K B	a
MAIN		O	C 0804	87-010-263-080	CAP,E 100-10 M 11L SME	a
MAIN		O	C 0807	87-010-400-080	CAP,E 0.47-50 M 11L SME	a
MAIN		O	C 0808	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0809	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0810	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0814	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0815	87-010-400-080	CAP,E 0.47-50 M 11L SME	a
MAIN		O	C 0816	87-010-400-080	CAP,E 0.47-50 M 11L SME	a
MAIN		O	C 0821	87-010-405-080	CAP,E 10-50 M 11L SME	a
MAIN		X	C 0822	88-108-000-080	C-JUMPER,U	a
MAIN		O	C 0823	87-010-177-080	C-CAP,S 820P-50 J SL C2012	a
MAIN		O	C 0824	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN		O	C 0825	87-010-596-080	C-CAP,S 0.047-16 K R C2012	a
MAIN		O	C 0842	87-012-286-080	C-CAP,U 0.01-25 K B	a
						CX-SND60 USC
MAIN		X	C 0843	88-108-000-080	C-JUMPER,U	a
MAIN		O	C 0844	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		X	C 0845	88-108-000-080	C-JUMPER,U	a
MAIN		X	C 0846	88-108-000-080	C-JUMPER,U	a
MAIN		X	C 0847	88-108-000-080	C-JUMPER,U	a
MAIN		X	C 0848	88-108-000-080	C-JUMPER,U	a
MAIN		X	C 0849	88-108-000-080	C-JUMPER,U	a
MAIN		O	C 0850	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN		O	C 0851	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0852	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0853	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0860	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0901	87-012-169-080	C-CAP,U 7P-50 D CH	a
MAIN		X	C 0906	88-108-000-080	C-JUMPER,U	a
MAIN		O	C 0909	87-A10-915-080	C-CAP,U 1000P-25 J CH	a
MAIN		O	C 0911	87-012-167-080	C-CAP,U 5P-50 C CH	a
MAIN		O	C 0912	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN		O	C 0914	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0915	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0917	87-012-164-080	C-CAP,U 2P-50 C CH	a

ELECTRICAL PARTS LIST (BZA – W)

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
MAIN		O	C 0920	87-012-180-080	C-CAP,U 22P-50 J CH	a
MAIN		O	C 0921	87-012-186-080	C-CAP,U 39P-50 J CH	a
MAIN		O	C 0922	87-012-174-080	C-CAP,U 12P-50 J CH	a
MAIN		O	C 0923	87-A10-039-080	C-CAP,U 470P-50 J CH	a
MAIN		O	C 0924	87-012-162-080	C-CAP,U 1P-50 C CH	a
MAIN		O	C 0926	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN		O	C 0931	87-A12-319-080	C-CAP,U 0.1-25 K B	a
MAIN		X	C 0940	88-108-000-080	C-JUMPER,U	a
MAIN		O	C 0959	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0960	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0961	87-012-167-080	C-CAP,U 5P-50 C CH	a
MAIN		O	C 0962	87-010-401-080	CAP,E 1-50 M 11L SME	a
MAIN		O	C 0963	87-A12-319-080	C-CAP,U 0.1-25 K B	a
MAIN		O	C 0971	87-010-381-080	CAP,E 330-16 M SME	a
MAIN		O	C 0972	87-010-404-080	CAP,E 4.7-50 M 11L SME	a
MAIN		O	C 0973	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0974	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0979	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN		O	C 0981	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN		O	C 0982	87-010-759-080	C-CAP,U 0.1-25 Z F	a
						CX-SND60 USC
MAIN		O	C 0983	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0984	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0987	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0988	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		O	C 0991	87-012-176-080	C-CAP,U 15P-50 J CH	a
MAIN		O	C 0992	87-012-176-080	C-CAP,U 15P-50 J CH	a
MAIN		O	C 0993	87-012-274-080	C-CAP,U 1000P-50 K B	a
MAIN		O	C 0995	87-012-274-080	C-CAP,U 1000P-50 K B	a
MAIN		O	C 0997	87-010-759-080	C-CAP,U 0.1-25 Z F	a
MAIN		O	C 0998	87-010-260-080	CAP,E 47-25 M 11L SME	a
MAIN		O	C 0999	87-A11-155-080	CAP,TC U 0.01-16 Z F	a
MAIN		O	CF 0831	87-008-261-010	FLTR,CF SFE10.7MA5	a
MAIN		O	CF 0832	87-008-261-010	FLTR,CF SFE10.7MA5	a
MAIN		X	CLP0303	87-A60-884-010	PIN,DIA1 COATING-SHS	a
MAIN		X	CLP0304	87-A60-884-010	PIN,DIA1 COATING-SHS	a
MAIN		O	CN 0301	87-A60-620-010	CONN,3P V 2MM JMT	a
MAIN		O	CN 0302	87-A60-625-010	CONN,8P V 2MM JMT	a
MAIN		O	CN 0601	87-099-719-010	CONN,30P H BLK TYK-B(X)	a
MAIN		O	CN 0602	87-099-194-010	CONN,6P V BLK 6216	a
MAIN		S	D 0001	87-A40-393-090	DIODE,1N5402GW(F20)	a
						CX-SND60 USC
MAIN		S	D 0002	87-A40-393-090	DIODE,1N5402GW(F20)	a
MAIN		S	D 0003	87-A40-393-090	DIODE,1N5402GW(F20)	a
MAIN		S	D 0004	87-A40-393-090	DIODE,1N5402GW(F20)	a
MAIN		S	D 0009	87-A40-838-090	DIODE,G3SBA60L-6088	a
MAIN		S	D 0011	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0021	87-A40-345-080	ZENER,MTZJ10C	a
MAIN		S	D 0029	87-A40-336-080	ZENER,MTZJ27D T-72	a
MAIN		S	D 0030	87-020-465-080	DIODE,1SS133	a
MAIN		S	D 0032	87-020-465-080	DIODE,1SS133	a
MAIN		S	D 0041	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0042	87-A40-269-080	C-DIODE,MC2836	a
MAIN		S	D 0060	87-020-465-080	DIODE,1SS133	a
MAIN		S	D 0063	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0064	87-A40-269-080	C-DIODE,MC2836	a
MAIN		S	D 0076	87-A40-269-080	C-DIODE,MC2836	a
MAIN		S	D 0077	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0101	87-A40-269-080	C-DIODE,MC2836	a
MAIN		S	D 0103	87-020-465-080	DIODE,1SS133	a
MAIN		S	D 0104	87-020-465-080	DIODE,1SS133	a
MAIN		S	D 0105	87-A40-269-080	C-DIODE,MC2836	a
						CX-SND60 USC
MAIN		S	D 0106	87-A40-269-080	C-DIODE,MC2836	a
MAIN		S	D 0107	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0108	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0109	87-A40-488-080	DIODE,1SS244	a
MAIN		S	D 0110	87-A40-488-080	DIODE,1SS244	a
MAIN		S	D 0150	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0160	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0185	87-A40-393-090	DIODE,1N5402GW(F20)	a
MAIN		S	D 0186	87-A40-393-090	DIODE,1N5402GW(F20)	a
MAIN		S	D 0187	87-A40-871-080	ZENER,MTZJ5.6C	a
MAIN		S	D 0188	87-017-931-080	ZENER,MTZJ5.6B	a
MAIN		S	D 0189	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0190	87-A40-269-080	C-DIODE,MC2836	a
MAIN		S	D 0191	87-A40-345-080	ZENER,MTZJ10C	a
MAIN		S	D 0192	87-020-465-080	DIODE,1SS133	a
MAIN		S	D 0193	87-020-465-080	DIODE,1SS133	a
MAIN		S	D 0201	87-020-465-080	DIODE,1SS133	a
MAIN		S	D 0280	87-A40-269-080	C-DIODE,MC2836	a
MAIN		S	D 0281	87-A40-270-080	C-DIODE,MC2838	a
MAIN		S	D 0301	87-A40-269-080	C-DIODE,MC2836	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
MAIN		S	D 0661	87-A40-438-080	ZENER,MTZJ4.7A	a
MAIN		S	D 0662	87-A40-438-080	ZENER,MTZJ4.7A	a
MAIN		X	D 0801	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN		S	D 0803	87-020-465-080	DIODE,1SS133	a
MAIN		O	D 0902	87-A40-916-040	C-VARI-CAP,HVC202A	a
MAIN		O	D 0903	87-A40-916-040	C-VARI-CAP,HVC202A	a
MAIN		X	D 0944	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN		O	D 0951	87-A40-799-040	C-VARI-CAP,KV1610S	a
MAIN		S	D 0991	87-017-149-080	ZENER,HZS6A2L	a
MAIN		S	D 0994	87-020-465-080	DIODE,1SS133	a
MAIN		X	FB 0601	88-118-000-080	C-JUMPER,S	a
MAIN		X	FB 0602	88-118-000-080	C-JUMPER,S	a
MAIN		X	FB 0603	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN		O	FFC0602	88-906-251-110	FF-CABLE,6P 1.25	a
MAIN		S	IC 0001	87-A21-364-010	IC,NJM7806FA(A)	a
MAIN		S	IC 0601	87-A22-236-040	C-IC,BD3881FV	a
MAIN		S	IC 0801	87-A22-060-010	IC,LA1845N-A	a
MAIN		S	IC 0991	87-A21-928-010	IC,LC72131D-N	a
MAIN		O	J 0203	8C-NF8-681-010	TERMINAL,SP 4P PTB-409A	a
MAIN		O	J 0602	8C-NF8-682-010	JACK,PIN 2P RCA-207	a
						CX-SND60 USC
MAIN		X	JR 0835	88-108-561-080	C-RES,U 560-1/16W J	a
MAIN		O	J 0831	8C-NF8-683-010	TERMINAL,ANT 4P PTB-405-02	a
MAIN		O	L 0201	87-A50-611-010	COIL,1UH K(CS)	a
MAIN		O	L 0202	87-A50-611-010	COIL,1UH K(CS)	a
MAIN		O	L 0451	87-007-342-010	COIL,OSC 85KHZ BIAS	a
MAIN		O	L 0801	87-A50-608-010	COIL,FM DET-N(TOK)	a
MAIN		O	L 0802	87-A91-551-010	FLTR,PCFJZH-450 L(TOK)	a
MAIN		O	L 0811	87-005-847-080	COIL,2.2UH K CECS	a
MAIN		O	L 0832	87-005-847-080	COIL,2.2UH K CECS	a
MAIN		O	L 0901	87-A50-110-010	COIL,FM BPF EX	a
MAIN		O	L 0903	86-ZA1-624-010	COIL,FM RF-1	a
MAIN		O	L 0904	86-ZA1-622-010	COIL,FM ANT/RF-U	a
MAIN		O	L 0906	87-005-847-080	COIL,2.2UH K CECS	a
MAIN		O	L 0907	86-ZA1-627-010	COIL,FM OSC-U	a
MAIN		O	L 0908	88-ZA1-624-010	COIL,FM IFT 7-6.2 (COILS)	a
MAIN		O	L 0952	87-A50-764-010	COIL,MW ANT 2B(COI)	a
MAIN		O	L 0953	87-A50-765-010	COIL,MW OSC 2B(COI)	a
MAIN		S	Q 0001	87-A30-494-080	TR,2SA1980G	a
MAIN		S	Q 0002	87-A30-494-080	TR,2SA1980G	a
MAIN		S	Q 0003	87-A30-076-080	C-TR,2SC3052F	a
						CX-SND60 USC
MAIN		S	Q 0006	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0009	87-A30-494-080	TR,2SA1980G	a
MAIN		S	Q 0010	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0011	87-A30-614-010	TR,2SB1548	a
MAIN		S	Q 0012	87-A30-630-080	TR,2SC5343GL	a
MAIN		S	Q 0014	87-A30-075-080	C-TR,2SA1235F	a
MAIN		S	Q 0015	87-A30-075-080	C-TR,2SA1235F	a
MAIN		S	Q 0060	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0061	87-A30-075-080	C-TR,2SA1235F	a
MAIN		S	Q 0062	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0063	87-A30-075-080	C-TR,2SA1235F	a
MAIN		S	Q 0064	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0101	87-A30-257-080	C-TR,2SD1306E	a
MAIN		S	Q 0102	87-A30-257-080	C-TR,2SD1306E	a
MAIN		S	Q 0103	87-A30-663-040	C-TR,2SB792A(RS)	a
MAIN		S	Q 0104	87-A30-663-040	C-TR,2SB792A(RS)	a
MAIN		S	Q 0105	87-A30-663-040	C-TR,2SB792A(RS)	a
MAIN		S	Q 0106	87-A30-663-040	C-TR,2SB792A(RS)	a
MAIN		S	Q 0107	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0108	87-A30-076-080	C-TR,2SC3052F	a
						CX-SND60 USC
MAIN		S	Q 0109	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0110	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0111	87-A30-668-080	TR,2SC3478LK	a
MAIN		S	Q 0112	87-A30-668-080	TR,2SC3478LK	a
MAIN		S	Q 0113	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0114	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0115	87-A30-662-040	C-TR,2SD814A(RS)	a
MAIN		S	Q 0116	87-A30-662-040	C-TR,2SD814A(RS)	a
MAIN		S	Q 0123	87-A30-663-040	C-TR,2SB792A(RS)	a
MAIN		S	Q 0124	87-A30-663-040	C-TR,2SB792A(RS)	a
MAIN		S	Q 0126	87-A30-663-040	C-TR,2SB792A(RS)	a
MAIN		S	Q 0127	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0128	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0130	87-A30-662-040	C-TR,2SD814A(RS)	a
MAIN		S	Q 0131	87-A30-098-010	TR,FP1016	a
MAIN		S	Q 0132	87-A30-098-010	TR,FP1016	a
MAIN		S	Q 0133	87-A30-097-010	TR,FN1016	a
MAIN		S	Q 0134	87-A30-097-010	TR,FN1016	a
MAIN		S	Q 0183	87-A30-162-010	FET,2SK2937	a
MAIN		S	Q 0184	87-A30-162-010	FET,2SK2937	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
MAIN		S	Q 0185	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0186	87-A30-075-080	C-TR,2SA1235F	a
MAIN		S	Q 0187	87-A30-075-080	C-TR,2SA1235F	a
MAIN		S	Q 0235	87-A30-075-080	C-TR,2SA1235F	a
MAIN		S	Q 0280	87-A30-538-040	C-TR,SRA2202S	a
MAIN		S	Q 0281	87-A30-663-040	C-TR,2SB792A(RS)	a
MAIN		S	Q 0301	87-A30-091-080	FET,2SJ460	a
MAIN		S	Q 0302	87-A30-091-080	FET,2SJ460	a
MAIN		S	Q 0303	87-A30-090-080	FET,2SK2541	a
MAIN		S	Q 0304	87-A30-090-080	FET,2SK2541	a
MAIN		S	Q 0305	87-A30-091-080	FET,2SJ460	a
MAIN		S	Q 0306	87-A30-091-080	FET,2SJ460	a
MAIN		S	Q 0307	87-A30-090-080	FET,2SK2541	a
MAIN		S	Q 0308	87-A30-090-080	FET,2SK2541	a
MAIN		S	Q 0309	87-A30-090-080	FET,2SK2541	a
MAIN		S	Q 0451	87-A30-492-080	TR,2SC5343G	a
MAIN		S	Q 0452	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0453	89-333-317-880	TR,2SC3331(T/U)	a
MAIN		S	Q 0454	89-333-317-880	TR,2SC3331(T/U)	a
MAIN		S	Q 0601	87-A30-538-040	C-TR,SRA2202S	a
						CX-SND60 USC
MAIN		S	Q 0651	87-A30-087-080	C-FET,2SK2158	a
MAIN		S	Q 0652	87-A30-087-080	C-FET,2SK2158	a
MAIN		S	Q 0653	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0835	87-A30-521-080	C-TR,2SC5345SF/S(O)	a
MAIN		S	Q 0836	87-A30-677-040	C-TR,SRA2207S	a
MAIN		S	Q 0901	89-503-602-080	C-FET,2SK360E	a
MAIN		S	Q 0902	87-A30-664-080	C-TR,2SC2620B	a
MAIN		S	Q 0904	87-A30-664-080	C-TR,2SC2620B	a
MAIN		S	Q 0981	87-A30-494-080	TR,2SA1980G	a
MAIN		S	Q 0982	87-A30-076-080	C-TR,2SC3052F	a
MAIN		S	Q 0983	87-A30-076-080	C-TR,2SC3052F	a
MAIN		X	R 0001	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN		X	R 0005	88-100-000-010	PLATING-JW, 0.58 SN95	a
MAIN		X	R 0009	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0010	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0011	88-118-472-080	C-RES,S 4.7K-1/10W J	a
MAIN		X	R 0012	88-118-472-080	C-RES,S 4.7K-1/10W J	a
MAIN		X	R 0013	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0014	88-108-100-080	C-RES,U 10-1/16W J	a
MAIN		X	R 0015	88-121-104-080	RES,100K-1/8W J	a
						CX-SND60 USC
MAIN		X	R 0020	88-128-129-080	C-RES, 1.2-1/8W J	a
MAIN		X	R 0021	88-128-129-080	C-RES, 1.2-1/8W J	a
MAIN		X	R 0022	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0023	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0024	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0026	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0027	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0028	88-118-221-080	C-RES,S 220-1/10W J	a
MAIN		X	R 0029	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0031	88-121-154-080	RES,150K-1/8W J	a
MAIN		X	R 0032	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0035	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN		X	R 0037	88-118-102-080	C-RES,S 1K-1/10W J	a
MAIN		X	R 0038	88-118-102-080	C-RES,S 1K-1/10W J	a
MAIN		X	R 0042	88-121-331-080	RES,330-1/8W J	a
MAIN		X	R 0043	88-121-391-080	RES,390-1/8W J	a
MAIN		X	R 0044	88-121-331-080	RES,330-1/8W J	a
MAIN		X	R 0045	88-121-391-080	RES,390-1/8W J	a
MAIN		X	R 0046	88-121-471-080	RES,470-1/8W J	a
MAIN		X	R 0050	88-108-183-080	C-RES,U 18K-1/16W J	a
						CX-SND60 USC
MAIN		X	R 0051	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0052	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0053	88-108-563-080	C-RES,U 56K-1/16W J	a
MAIN		X	R 0054	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN		X	R 0055	88-121-152-080	RES,1.5K-1/8W J	a
MAIN		X	R 0056	88-108-680-080	C-RES,U 68-1/16W J	a
MAIN		X	R 0057	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0058	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0059	88-108-221-080	C-RES,U 220-1/16W J	a
MAIN		X	R 0060	88-108-471-080	C-RES,U 470-1/16W J	a
MAIN		X	R 0061	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0062	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0063	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0064	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0065	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN		X	R 0066	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN		X	R 0067	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0068	88-128-152-080	C-RES, 1.5K-1/8W J	a
MAIN		X	R 0076	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0078	88-108-393-080	C-RES,U 39K-1/16W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
MAIN		X	R 0079	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN		X	R 0081	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0085	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0093	88-108-823-080	C-RES,U 82K-1/16W J	a
MAIN		X	R 0094	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN		X	R 0095	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN		X	R 0096	88-108-823-080	C-RES,U 82K-1/16W J	a
MAIN		X	R 0103	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN		X	R 0104	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN		X	R 0105	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN		X	R 0106	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN		X	R 0107	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0108	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0111	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0112	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0113	88-118-273-080	C-RES,S 27K-1/10W J	a
MAIN		X	R 0114	88-118-273-080	C-RES,S 27K-1/10W J	a
MAIN		X	R 0115	88-128-222-080	C-RES, 2.2K-1/8W J	a
MAIN		X	R 0116	88-128-222-080	C-RES, 2.2K-1/8W J	a
MAIN		X	R 0117	88-108-103-080	C-RES,U 10K-1/16W J	a
						CX-SND60 USC
MAIN		X	R 0118	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0119	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0120	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0121	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0122	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0123	88-128-222-080	C-RES, 2.2K-1/8W J	a
MAIN		X	R 0124	88-128-222-080	C-RES, 2.2K-1/8W J	a
MAIN		X	R 0125	88-128-102-080	C-RES, 1K-1/8W J	a
MAIN		X	R 0126	88-128-102-080	C-RES, 1K-1/8W J	a
MAIN		X	R 0127	88-108-390-080	C-RES,U 39-1/16W J	a
MAIN		X	R 0128	88-108-390-080	C-RES,U 39-1/16W J	a
MAIN		O	R 0129	87-A00-262-080	RES,M/F 0.15-2W J	a
MAIN		O	R 0130	87-A00-262-080	RES,M/F 0.15-2W J	a
MAIN		O	R 0131	87-A00-262-080	RES,M/F 0.15-2W J	a
MAIN		O	R 0132	87-A00-262-080	RES,M/F 0.15-2W J	a
MAIN		X	R 0133	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0134	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0135	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN		X	R 0136	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN		X	R 0137	88-108-101-080	C-RES,U 100-1/16W J	a
						CX-SND60 USC
MAIN		X	R 0138	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0141	88-118-102-080	C-RES,S 1K-1/10W J	a
MAIN		X	R 0142	88-118-102-080	C-RES,S 1K-1/10W J	a
MAIN		X	R 0143	88-108-392-080	C-RES,U 3.9K-1/16W J	a
MAIN		X	R 0145	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN		X	R 0146	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN		X	R 0149	88-108-392-080	C-RES,U 3.9K-1/16W J	a
MAIN		X	R 0151	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0152	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0153	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN		X	R 0155	88-108-822-080	C-RES,U 8.2K-1/16W J	a
MAIN		X	R 0156	88-108-822-080	C-RES,U 8.2K-1/16W J	a
MAIN		X	R 0157	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0158	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0159	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0160	88-121-103-080	RES,10K-1/8W J	a
MAIN		X	R 0161	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0162	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0163	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0164	88-108-472-080	C-RES,U 4.7K-1/16W J	a
						CX-SND60 USC
MAIN		X	R 0165	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN		X	R 0166	88-108-152-080	C-RES,U 1.5K-1/16W J	a
MAIN		X	R 0167	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0168	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0171	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0172	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0173	88-108-182-080	C-RES,U 1.8K-1/16W J	a
MAIN		X	R 0174	88-108-182-080	C-RES,U 1.8K-1/16W J	a
MAIN		X	R 0175	88-108-331-080	C-RES,U 330-1/16W J	a
MAIN		X	R 0176	88-108-331-080	C-RES,U 330-1/16W J	a
MAIN		X	R 0177	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN		X	R 0178	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0179	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0180	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0181	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0182	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0184	88-118-102-080	C-RES,S 1K-1/10W J	a
MAIN		X	R 0185	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN		X	R 0186	88-118-102-080	C-RES,S 1K-1/10W J	a
MAIN		X	R 0187	88-118-103-080	C-RES,S 10K-1/10W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
MAIN		X	R 0188	88-118-222-080	C-RES,S 2.2K-1/10W J	a
MAIN		X	R 0189	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN		X	R 0190	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN		X	R 0192	88-128-272-080	C-RES, 2.7K-1/8W J	a
MAIN		X	R 0193	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0194	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0195	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0196	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0197	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0198	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0199	88-108-225-080	C-RES,U 2.2M-1/16W J	a
MAIN		X	R 0217	88-108-683-080	C-RES,U 68K-1/16W J	a
MAIN		X	R 0218	88-108-105-080	C-RES,U 1M-1/16W J	a
MAIN		X	R 0219	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0221	88-121-180-080	RES,18-1/8W J	a
MAIN		X	R 0222	88-121-180-080	RES,18-1/8W J	a
MAIN		X	R 0223	88-121-180-080	RES,18-1/8W J	a
MAIN		X	R 0247	88-130-100-080	RES,10-1/4W J	a
MAIN		X	R 0248	88-130-100-080	RES,10-1/4W J	a
MAIN		X	R 0249	88-128-100-080	C-RES, 10-1/8W J	a
						CX-SND60 USC
MAIN		X	R 0250	88-128-100-080	C-RES, 10-1/8W J	a
MAIN		X	R 0280	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0281	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0282	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0283	88-108-224-080	C-RES,U 220K-1/16W J	a
MAIN		X	R 0284	88-108-224-080	C-RES,U 220K-1/16W J	a
MAIN		X	R 0285	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0286	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0287	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0301	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN		X	R 0302	88-108-393-080	C-RES,U 39K-1/16W J	a
MAIN		X	R 0303	88-108-823-080	C-RES,U 82K-1/16W J	a
MAIN		X	R 0304	88-108-823-080	C-RES,U 82K-1/16W J	a
MAIN		X	R 0305	88-108-224-080	C-RES,U 220K-1/16W J	a
MAIN		X	R 0451	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0453	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0454	88-121-829-080	RES,8.2-1/8W J	a
MAIN		X	R 0455	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN		X	R 0456	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN		X	R 0457	88-108-104-080	C-RES,U 100K-1/16W J	a
						CX-SND60 USC
MAIN		X	R 0458	88-108-563-080	C-RES,U 56K-1/16W J	a
MAIN		X	R 0459	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0469	88-108-150-080	C-RES,U 15-1/16W J	a
MAIN		X	R 0601	88-108-680-080	C-RES,U 68-1/16W J	a
MAIN		X	R 0602	88-108-680-080	C-RES,U 68-1/16W J	a
MAIN		X	R 0603	88-108-394-080	C-RES,U 390K-1/16W J	a
MAIN		X	R 0604	88-108-394-080	C-RES,U 390K-1/16W J	a
MAIN		X	R 0605	88-108-122-080	C-RES,U 1.2K-1/16W J	a
MAIN		X	R 0606	88-108-122-080	C-RES,U 1.2K-1/16W J	a
MAIN		X	R 0607	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN		X	R 0608	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN		X	R 0609	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0610	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0611	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0612	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0613	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN		X	R 0614	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN		X	R 0615	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN		X	R 0616	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN		X	R 0617	88-108-153-080	C-RES,U 15K-1/16W J	a
						CX-SND60 USC
MAIN		X	R 0619	88-108-153-080	C-RES,U 15K-1/16W J	a
MAIN		X	R 0621	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN		X	R 0622	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN		X	R 0623	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN		X	R 0624	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN		X	R 0625	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN		X	R 0626	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN		X	R 0627	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0628	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0629	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0630	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0631	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0632	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0633	88-108-272-080	C-RES,U 2.7K-1/16W J	a
MAIN		X	R 0634	88-108-272-080	C-RES,U 2.7K-1/16W J	a
MAIN		X	R 0635	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0636	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0637	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0638	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0639	88-108-183-080	C-RES,U 18K-1/16W J	a

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
MAIN		X	R 0640	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN		X	R 0641	88-121-223-080	RES,22K-1/8W J	a
MAIN		X	R 0642	88-108-222-080	C-RES,U 2.2K-1/16W J	a
MAIN		X	R 0643	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN		X	R 0644	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN		X	R 0649	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN		X	R 0650	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN		X	R 0651	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0652	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0656	88-121-394-080	RES,390K-1/8W J	a
MAIN		X	R 0657	88-108-274-080	C-RES,U 270K-1/16W J	a
MAIN		X	R 0658	88-108-274-080	C-RES,U 270K-1/16W J	a
MAIN		X	R 0659	88-108-394-080	C-RES,U 390K-1/16W J	a
MAIN		X	R 0660	88-108-274-080	C-RES,U 270K-1/16W J	a
MAIN		X	R 0661	88-108-392-080	C-RES,U 3.9K-1/16W J	a
MAIN		X	R 0662	88-108-392-080	C-RES,U 3.9K-1/16W J	a
MAIN		X	R 0672	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0673	88-108-392-080	C-RES,U 3.9K-1/16W J	a
MAIN		X	R 0674	88-108-273-080	C-RES,U 27K-1/16W J	a
MAIN		X	R 0677	88-108-223-080	C-RES,U 22K-1/16W J	a
						CX-SND60 USC
MAIN		X	R 0678	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0789	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		O	R 0790	87-012-286-080	C-CAP,U 0.01-25 K B	a
MAIN		X	R 0791	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0793	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0795	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0801	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0802	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0803	88-128-183-080	C-RES, 18K-1/8W J	a
MAIN		X	R 0804	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0805	88-108-332-080	C-RES,U 3.3K-1/16W J	a
MAIN		X	R 0806	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN		X	R 0809	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0810	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0811	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0812	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0813	88-108-224-080	C-RES,U 220K-1/16W J	a
MAIN		X	R 0814	88-108-105-080	C-RES,U 1M-1/16W J	a
MAIN		X	R 0815	88-121-682-080	RES,6.8K-1/8W J	a
MAIN		X	R 0818	88-108-103-080	C-RES,U 10K-1/16W J	a
						CX-SND60 USC
MAIN		X	R 0821	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0823	88-108-333-080	C-RES,U 33K-1/16W J	a
MAIN		X	R 0826	88-108-223-080	C-RES,U 22K-1/16W J	a
MAIN		X	R 0832	88-108-391-080	C-RES,U 390-1/16W J	a
MAIN		X	R 0840	88-108-221-080	C-RES,U 220-1/16W J	a
MAIN		X	R 0850	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0851	88-118-000-080	C-JUMPER,S	a
MAIN		X	R 0852	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0853	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0854	88-108-331-080	C-RES,U 330-1/16W J	a
MAIN		X	R 0855	88-108-183-080	C-RES,U 18K-1/16W J	a
MAIN		X	R 0856	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0857	88-108-181-080	C-RES,U 180-1/16W J	a
MAIN		X	R 0858	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0860	88-108-101-080	C-RES,U 100-1/16W J	a
MAIN		X	R 0903	88-108-221-080	C-RES,U 220-1/16W J	a
MAIN		X	R 0904	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0905	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0906	88-108-564-080	C-RES,U 560K-1/16W J	a
MAIN		X	R 0908	88-108-000-080	C-JUMPER,U	a
						CX-SND60 USC
MAIN		X	R 0911	88-108-121-080	C-RES,U 120-1/16W J	a
MAIN		X	R 0912	88-108-473-080	C-RES,U 47K-1/16W J	a
MAIN		X	R 0913	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0914	88-108-472-080	C-RES,U 4.7K-1/16W J	a
MAIN		X	R 0918	88-108-000-080	C-JUMPER,U	a
MAIN		X	R 0945	88-108-104-080	C-RES,U 100K-1/16W J	a
MAIN		X	R 0962	88-121-102-080	RES,1K-1/8W J	a
MAIN		X	R 0963	88-108-330-080	C-RES,U 33-1/16W J	a
MAIN		X	R 0968	88-108-822-080	C-RES,U 8.2K-1/16W J	a
MAIN		X	R 0975	88-108-562-080	C-RES,U 5.6K-1/16W J	a
MAIN		X	R 0976	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0977	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0978	88-108-681-080	C-RES,U 680-1/16W J	a
MAIN		X	R 0979	88-108-123-080	C-RES,U 12K-1/16W J	a
MAIN		X	R 0980	88-108-684-080	C-RES,U 680K-1/16W J	a
MAIN		X	R 0981	88-121-471-080	RES,470-1/8W J	a
MAIN		X	R 0982	88-108-682-080	C-RES,U 6.8K-1/16W J	a
MAIN		X	R 0983	88-108-392-080	C-RES,U 3.9K-1/16W J	a
MAIN		X	R 0984	88-108-562-080	C-RES,U 5.6K-1/16W J	a
MAIN		X	R 0985	88-121-471-080	RES,470-1/8W J	a

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						CX-SND60 USC
MAIN		X	R 0986	88-121-221-080	RES,220-1/8W J	a
MAIN		X	R 0987	88-121-472-080	RES,4.7K-1/8W J	a
MAIN		X	R 0988	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0989	88-121-102-080	RES,1K-1/8W J	a
MAIN		X	R 0990	88-108-563-080	C-RES,U 56K-1/16W J	a
MAIN		O	R 0991	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN		X	R 0992	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		O	R 0993	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN		X	R 0994	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		O	R 0995	87-012-195-080	C-CAP,U 100P-50 J CH	a
MAIN		X	R 0996	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		X	R 0997	88-108-154-080	C-RES,U 150K-1/16W J	a
MAIN		X	R 0998	88-108-102-080	C-RES,U 1K-1/16W J	a
MAIN		X	R 0999	88-108-103-080	C-RES,U 10K-1/16W J	a
MAIN		O	RY 0201	87-A91-686-010	RELAY, G5PA-28(OMRON)	a
MAIN		O	SFR0451	87-024-435-080	SFR,33K H RH063MC	a
MAIN		O	SFR0452	87-024-435-080	SFR,33K H RH063MC	a
MAIN		X	SH 0901	8B-ZA3-619-010	SHLD-CASE,BZA-3 EZ	a
MAIN		O	TH 0101	87-A91-042-080	C-THMS,100K 55001	a
MAIN		O	TH 0102	87-A91-042-080	C-THMS,100K 55001	a
						CX-SND60 USC
MAIN		O	W 0099	8A-NF9-609-010	F-CABLE,9P 2.5 480MM	a
MAIN		O	W 0101	8B-NF1-640-010	F-CABLE,5P 2.5 250MM	a
MAIN		O	WH 0001	87-A90-510-010	HLDR,WIRE 2.5-9P	a
MAIN		O	WH 0101	87-A90-459-010	HLDR,WIRE 2.5-5P	a
MAIN		O	X 0992	87-A70-306-010	VIB,XTAL 4.500MHZ CSA-309ST	a
PT		O	C 0093	87-012-368-080	C-CAP,S 0.1-50 Z F	a
PT		S	D 0094	87-A40-269-080	C-DIODE,MC2836	a
PT		S	D 0095	87-A40-270-080	C-DIODE,MC2838	a
PT	!	X	PR 0004	88-100-000-010	PLATING-JW, 0.58 SN95	a
PT	!	O	PT 0003	8C-NF7-607-010	PT,CNF-7 U	a
PT	!	O	PT 0004	8C-NF8-651-010	PT,SUB U YKP01245	a
PT	!	O	R 0091	87-A01-010-080	RES,SD 2.2M-1/2W J RCR50+	a
PT	!	O	RY 0002	87-A91-418-010	RELAY,AC12V G5PA-1-M	a
PT	!	O	T 0003	87-A60-317-010	TERMINAL, 1P MSC	a
PT	!	O	T 0004	87-A60-317-010	TERMINAL, 1P MSC	a
PT		O	WH 0003	87-A90-510-010	HLDR,WIRE 2.5-9P	a

ELECTRICAL PARTS LIST (ZZM – 3 YPR4NC)

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						ZZM-3 YPR4NC
DECK		O	CN 1	87-A61-462-010	CONN,11P H D125 SRA	a
DECK		X	CRD1	82-ZM3-601-010	RBN-CORD,4P-75	a
DECK		S	IC 1	87-A21-269-010	IC,EW732	a
DECK		S	IC 2	87-A21-269-010	IC,EW732	a
DECK		X	R 1	88-121-392-080	RES,3.9K-1/8W J	a
DECK		O	SFR1	87-024-581-010	SFR,3.3K H KVSF637A	a
DECK		O	SOL1	82-ZM3-621-210	SOL ASSY,27 KO	a
DECK		O	SOL2	82-ZM3-621-210	SOL ASSY,27 KO	a
DECK		O	SW 1	87-036-109-010	SW,MICRO SPPB61	a
DECK		O	SW 2	87-036-109-010	SW,MICRO SPPB61	a
DECK		O	SW 3	87-036-109-010	SW,MICRO SPPB61	a
DECK		O	SW 4	87-036-109-010	SW,MICRO SPPB61	a
DECK		O	SW 5	87-036-109-010	SW,MICRO SPPB61	a

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding

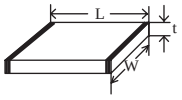
88 − □□□ □□□

A
抵抗部品コード
Resistor Code

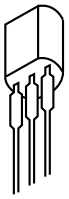
桁表示
Figure

抵抗値
Value of resistor

チップ抵抗
Chip resistor

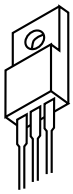
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード ：A Resistor Code：A
1/16W	1005	±5%	CJ		1.0	0.5	0.35	104
1/16W	1608	±5%	CJ		1.6	0.8	0.45	108
1/10W	2125	±5%	CJ		2	1.25	0.45	118
1/8W	3216	±5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION



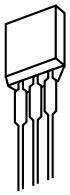
E C B

2SA1980G
2SC5343G



B C E

2SB1548
FN1016
FP1016



E C B

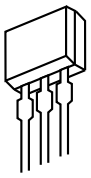
2SA1585SR

E C B

2SC3331(T/U)
2SC3478LK
2SC5343GL

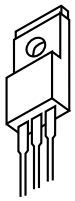
E C B

2SA1981Y



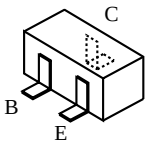
S D G

2SK2541
2SJ460

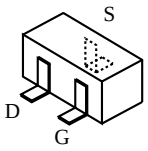


G D S

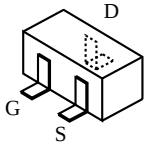
2SK2937



SRA2202S
SRA2207S
2SA1235F
2SB792A(RS)
2SC2620B
2SC3052F
2SC5345SF/S(O)
2SD1306E
2SD814A(RS)

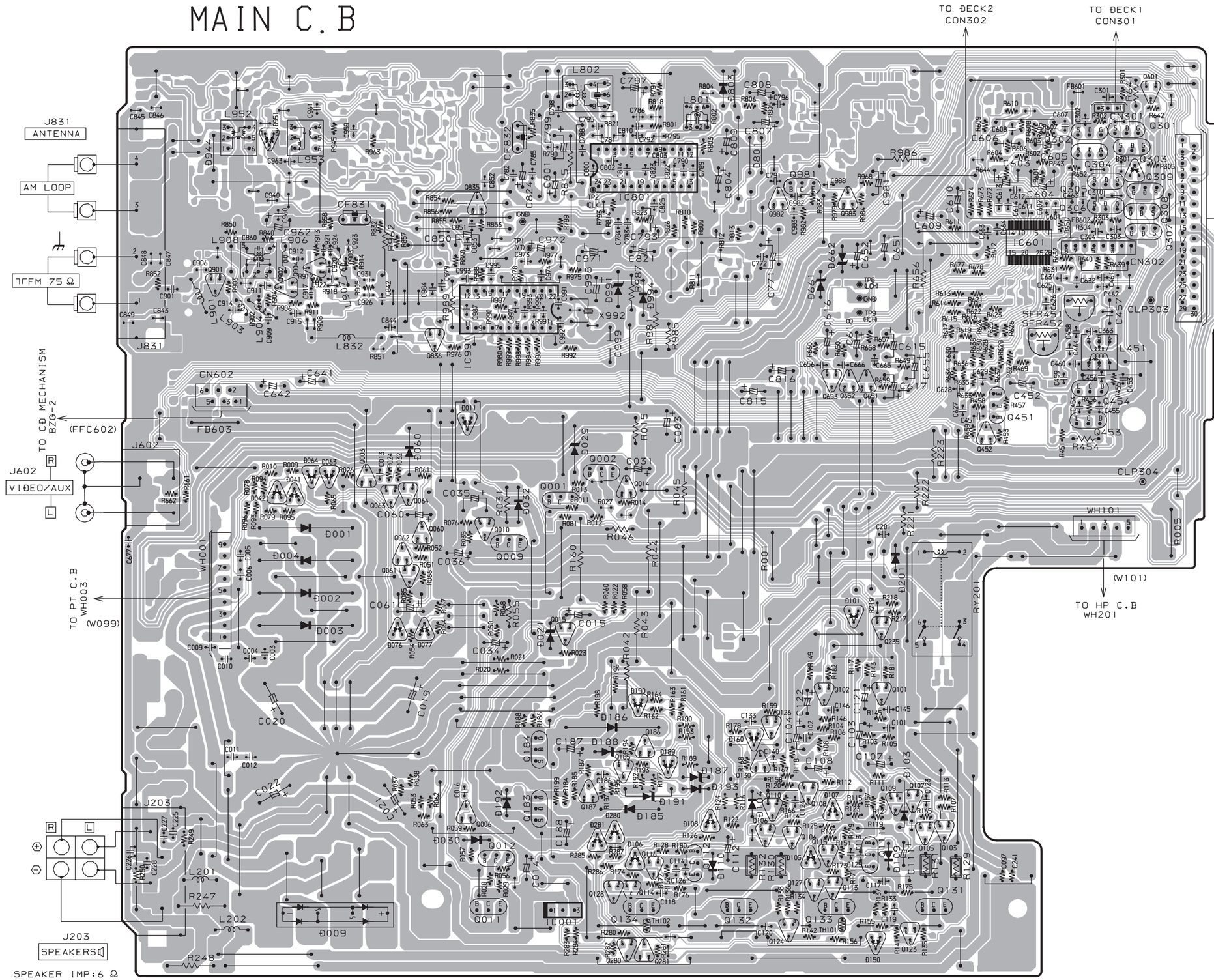


2SK360E

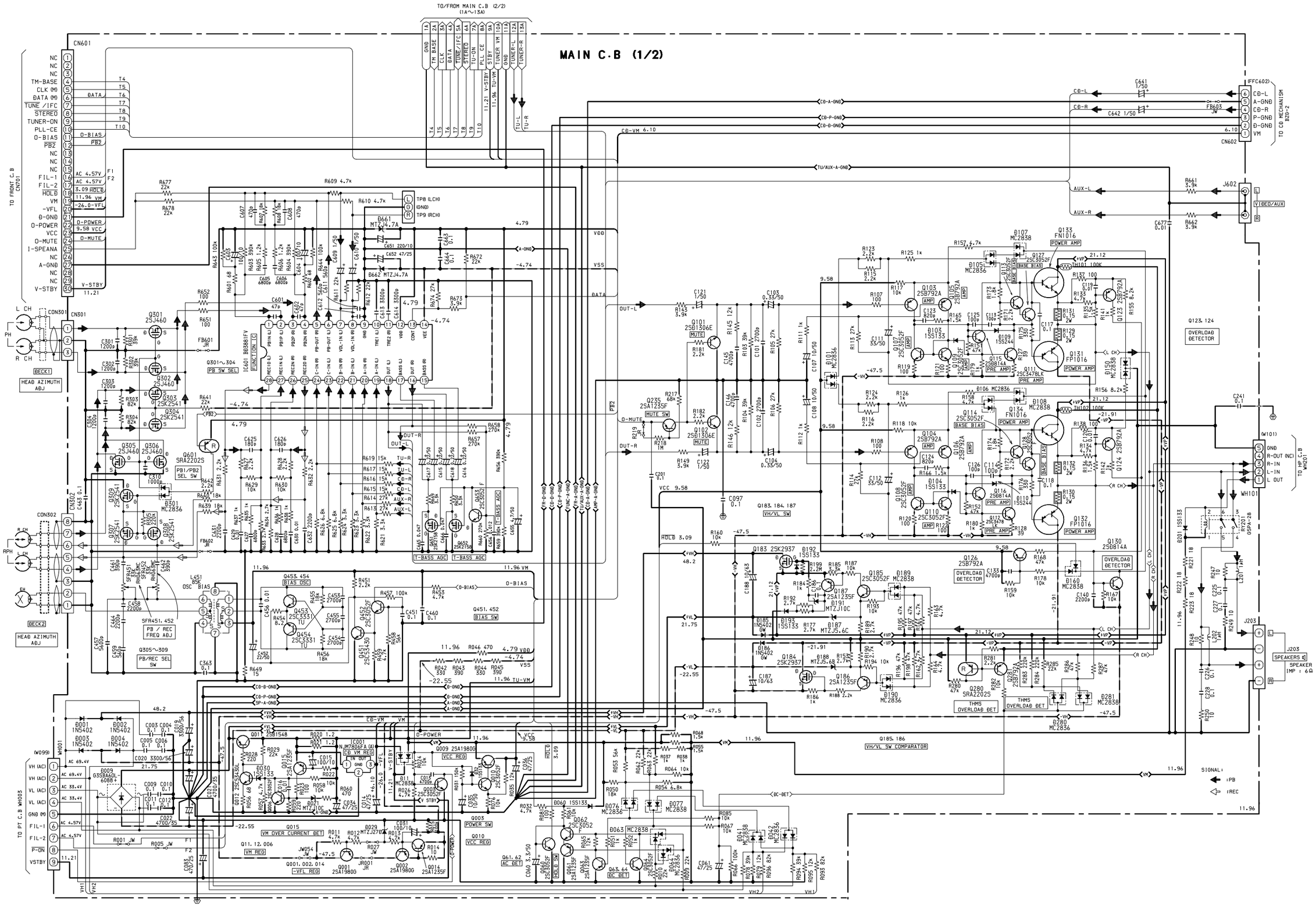


2SK2158

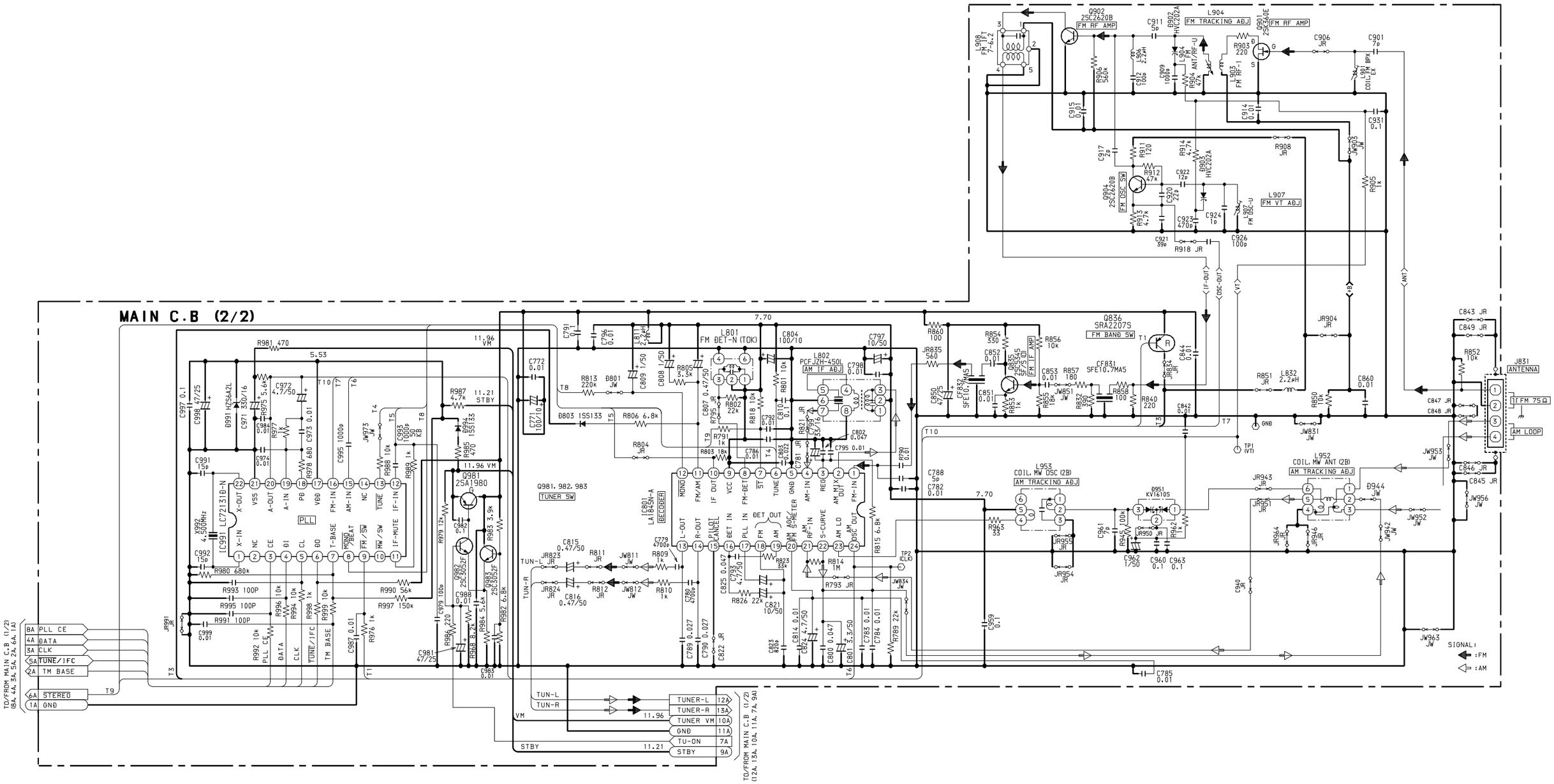
MAIN C.B

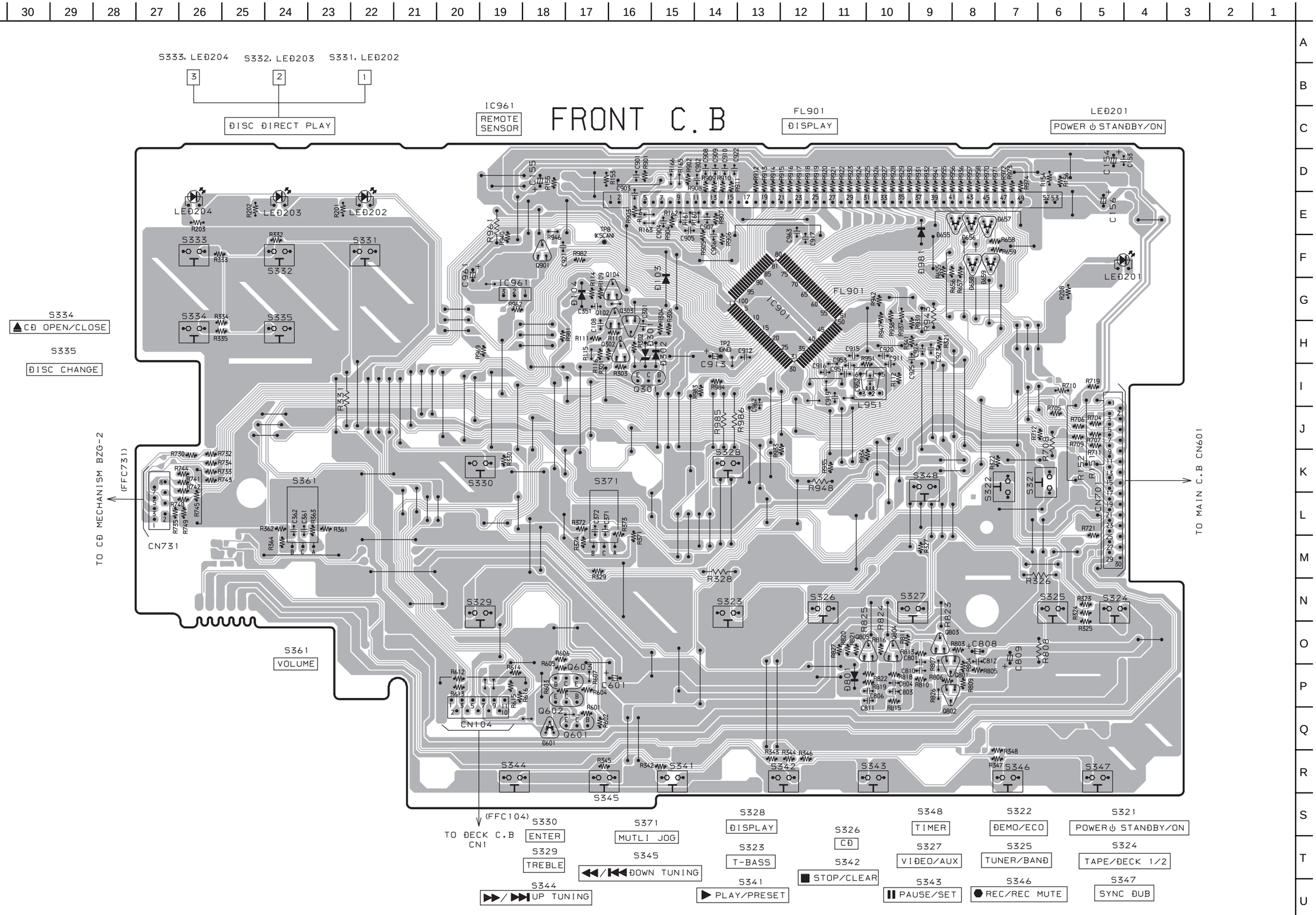

J831
ANTENNA
AM LOOP
FFFM 75 Ω
TO CD MECHANISM BZG-2
(FFC602)
J602
VIDEO/AUX
TO PT C.B
WH003
(W099)
J203
SPEAKERS
SPEAKER IMP:6 Ω
TO DECK2
CON302
TO DECK1
CON301
TO FRONT C.B
CN701
(W101)
TO HP C.B
WH201

SCHEMATIC DIAGRAM – 1 (MAIN 1 / 2)

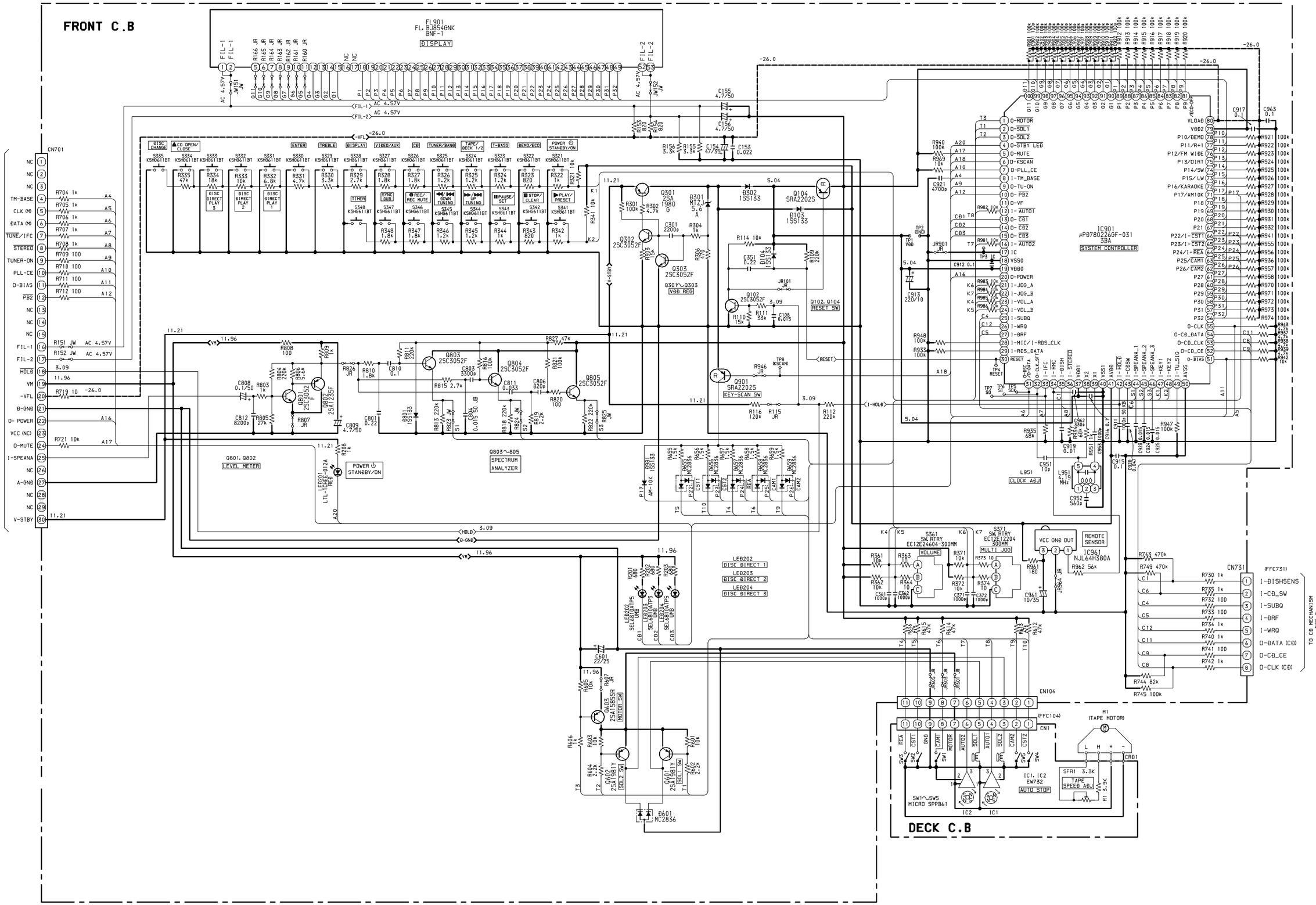


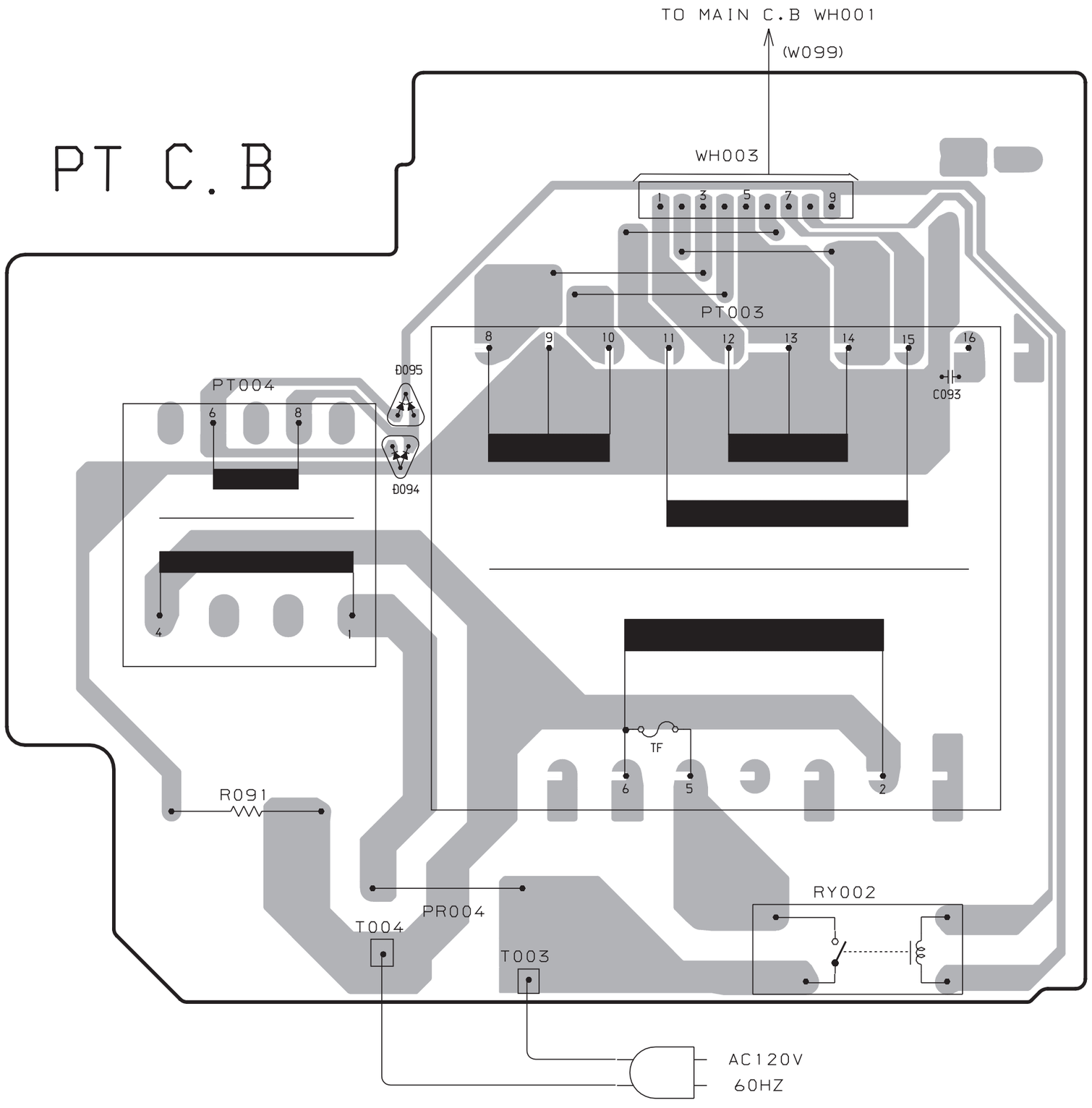
SCHEMATIC DIAGRAM – 2 (MAIN 2 / 2)

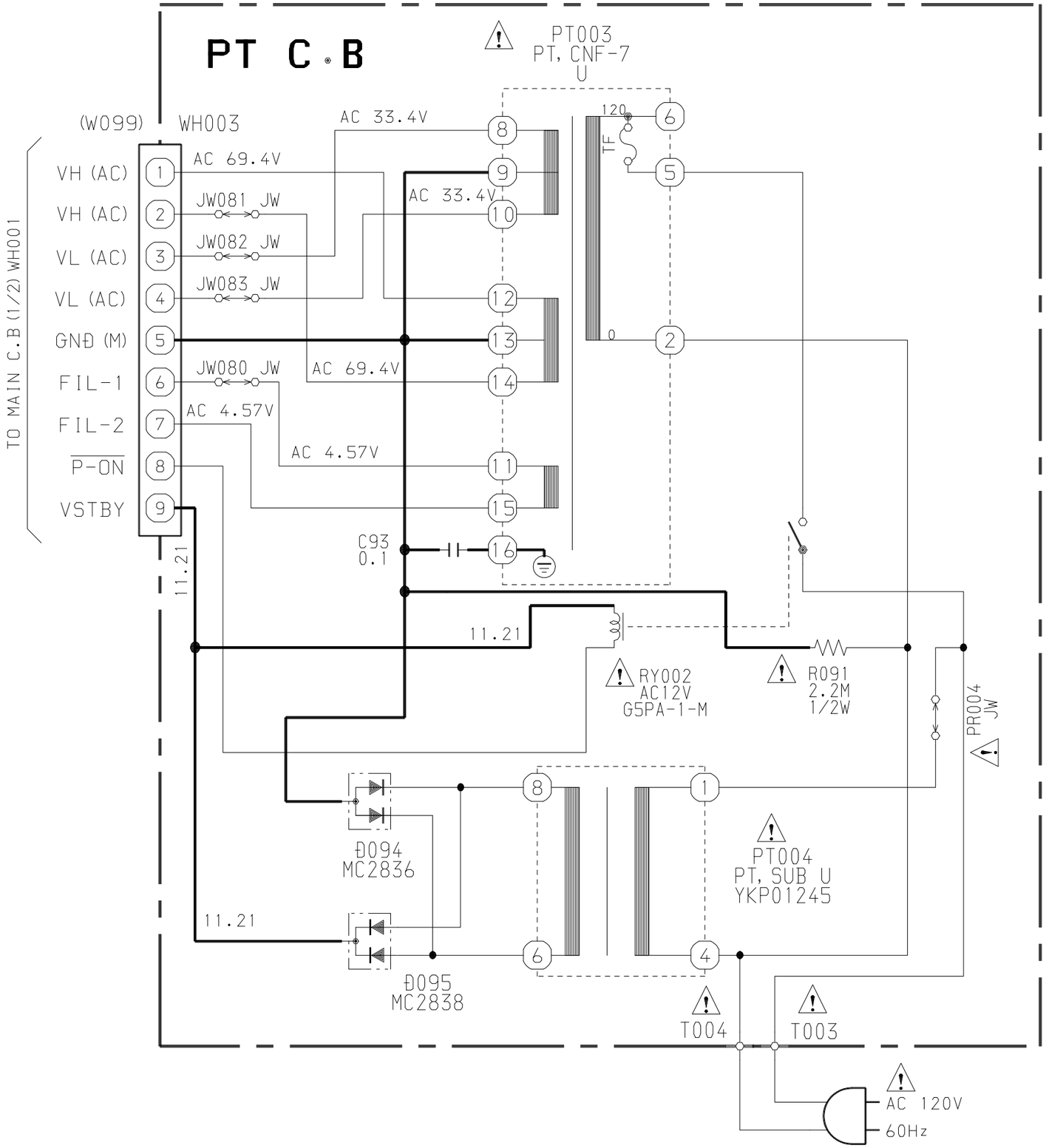


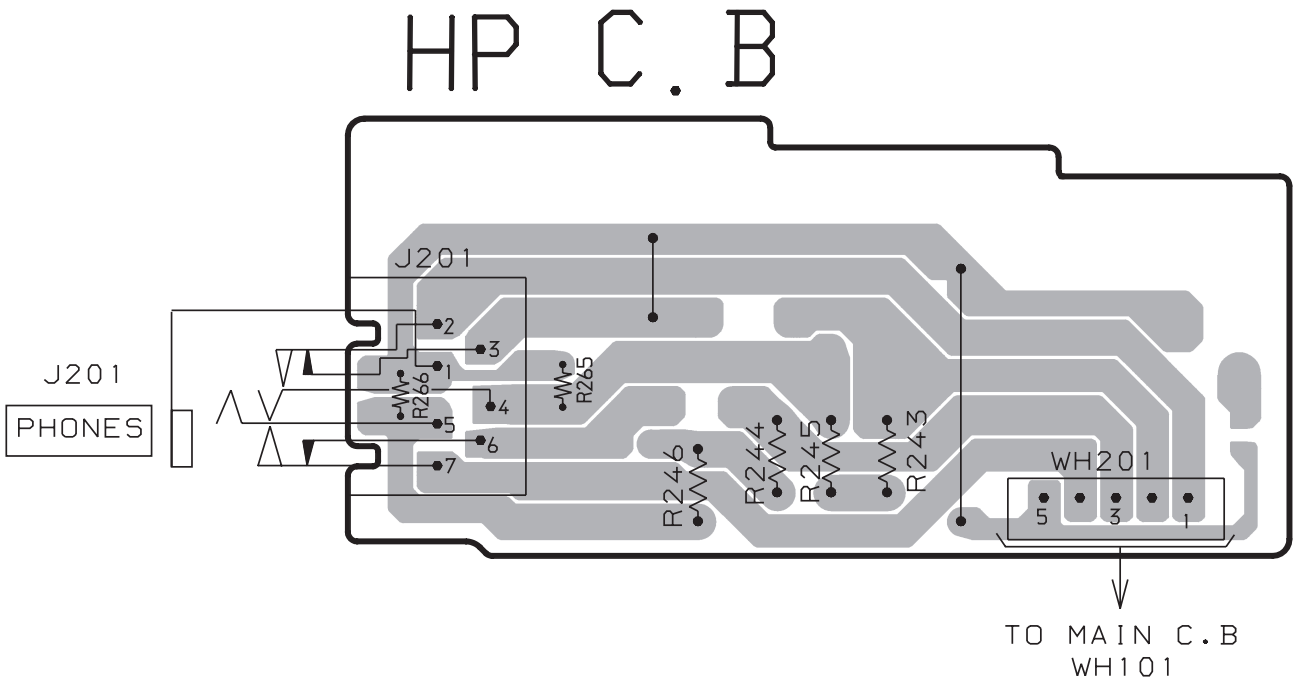

S333, LED204
S332, LED203
S331, LED202
DISC DIRECT PLAY
IC961
REMOTE SENSOR
FRONT C.B
FL901
DISPLAY
LED201
POWER ⏻ STANDBY/ON
S334
CD OPEN/CLOSE
S335
DISC CHANGE
TO CD MECHANISM BZG-2 (FFC731)
CN731
S361
VOLUME
CN104
TO MAIN C.B CN601
TO DECK C.B CN1 (FFC104)
S330 ENTER
S329 TREBLE
S344 UP TUNING
S371 MUTLI JOG
S345 DOWN TUNING
S328 DISPLAY
S323 T-BASS
S341 PLAY/PRESET
S326 CD
S342 STOP/CLEAR
S348 TIMER
S327 VIDEO/AUX
S343 PAUSE/SET
S322 DEMO/ECO
S325 TUNER/BAND
S346 REC/REC MUTE
S321 POWER ⏻ STANDBY/ON
S324 TAPE/DECK 1/2
S347 SYNC DUB

SCHEMATIC DIAGRAM – 3 (FRONT / DECK)

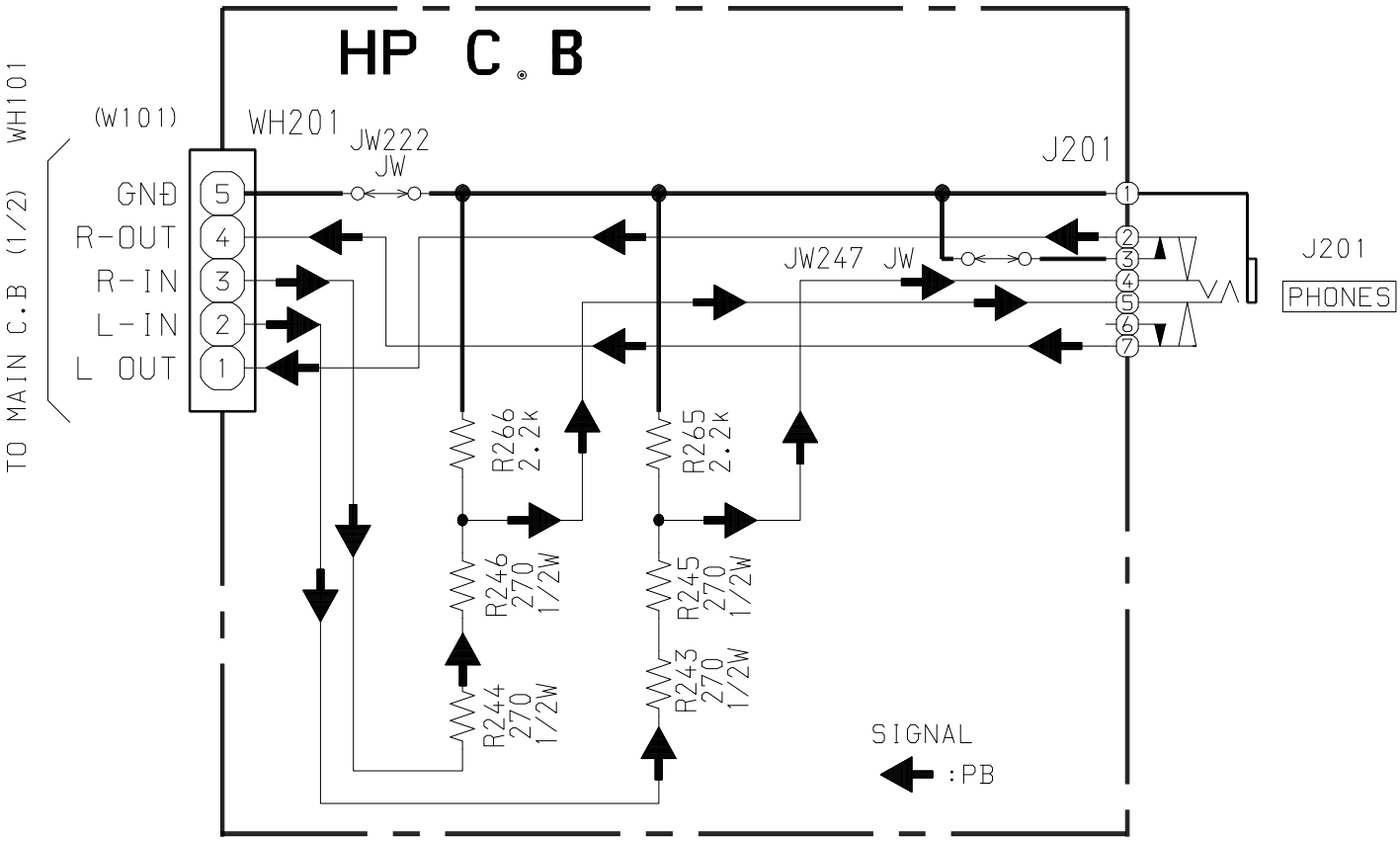


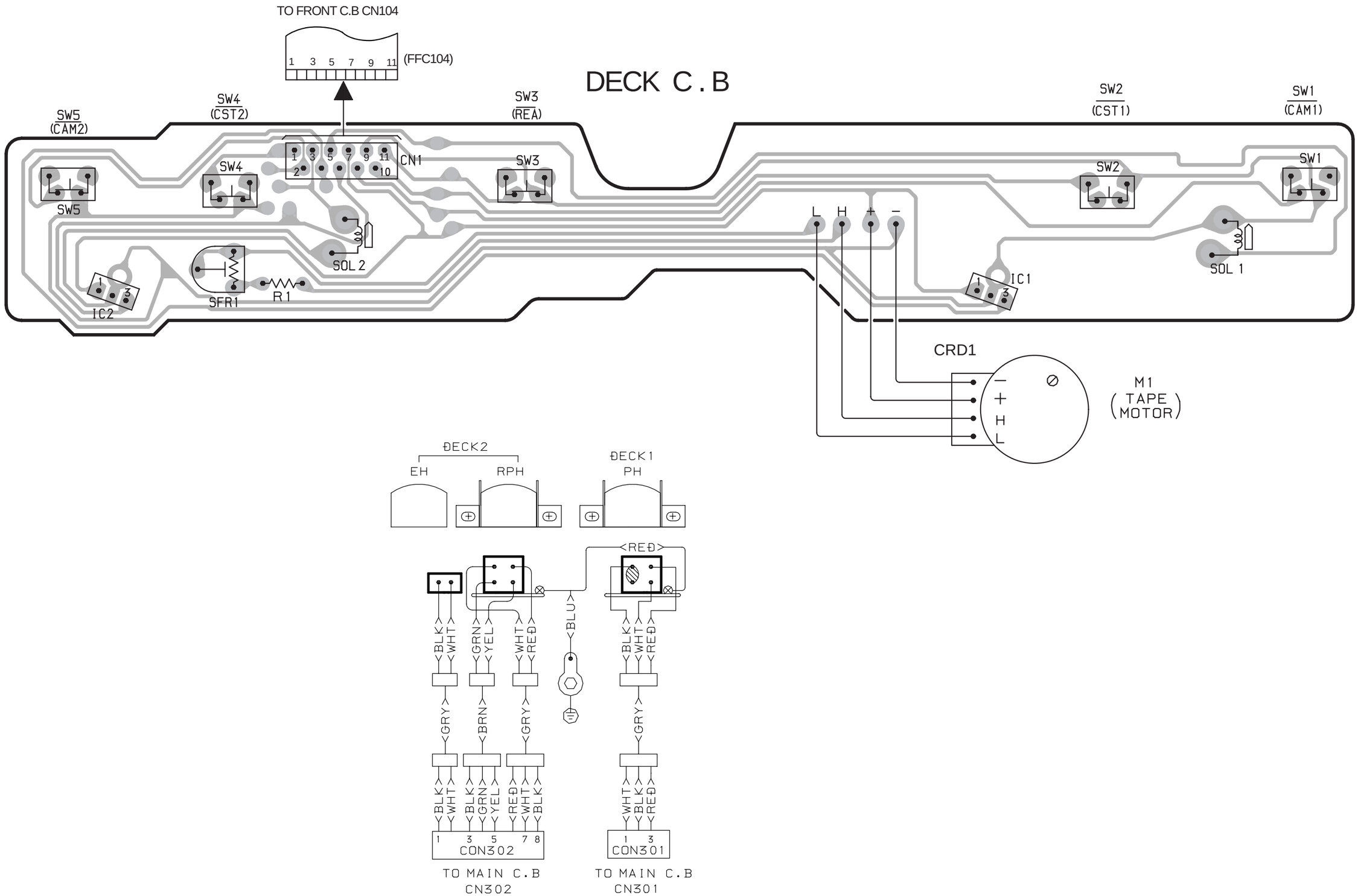

TO MAIN C.B WH001
(W099)
PT C.B
WH003
1
3
5
7
9
PT003
8
9
10
11
12
13
14
15
16
Đ095
Đ094
PT004
6
8
4
1
C093
TF
6
5
2
R091
PR004
T004
T003
RY002
AC120V
60HZ


PT C.B
PT003
PT, CNF-7
U
(W099)
WH003
TO MAIN C.B (1/2) WH001
VH (AC)
VH (AC)
VL (AC)
VL (AC)
GND (M)
FIL-1
FIL-2
P-ON
VSTBY
AC 69.4V
AC 33.4V
AC 4.57V
JW081 JW
JW082 JW
JW083 JW
JW080 JW
C93
0.1
11.21
RY002
AC12V
G5PA-1-M
R091
2.2M
1/2W
TF
120
0
PR004
JW
D094
MC2836
D095
MC2838
PT004
PT, SUB U
YKP01245
T004
T003
AC 120V
60Hz


HP C.B
J201
2
3
1
4
5
6
7
R266
R265
R246
R244
R245
R243
WH201
5
3
1
J201
PHONES
TO MAIN C.B
WH101

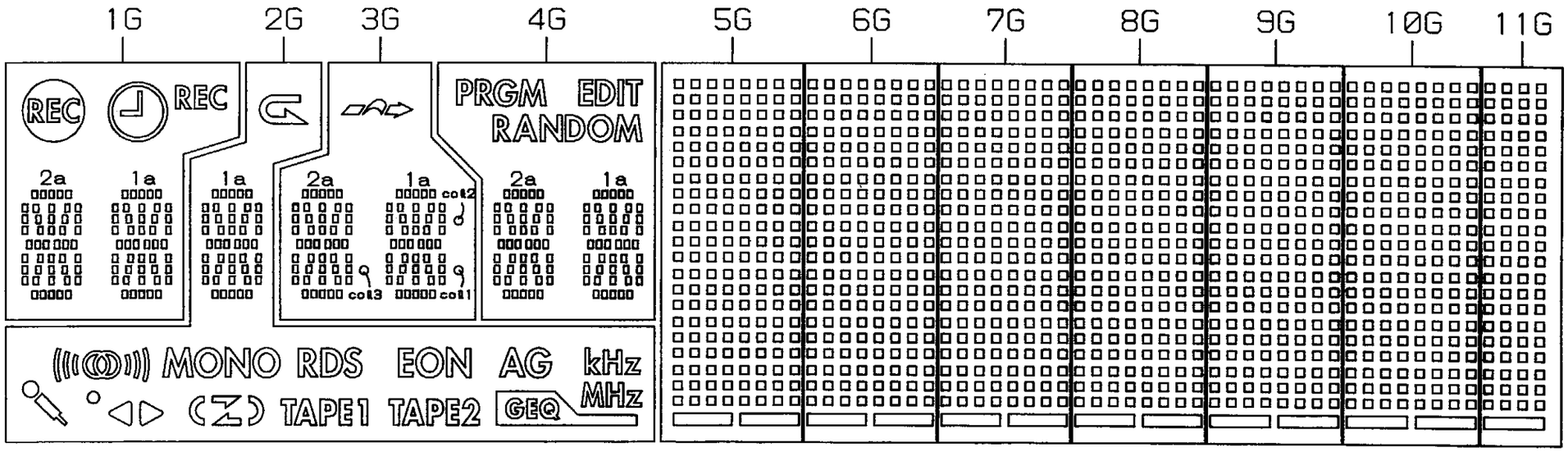
SCHEMATIC DIAGRAM – 5 (HP)

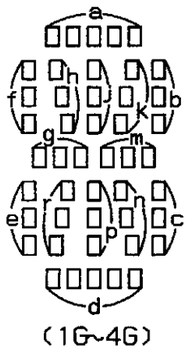


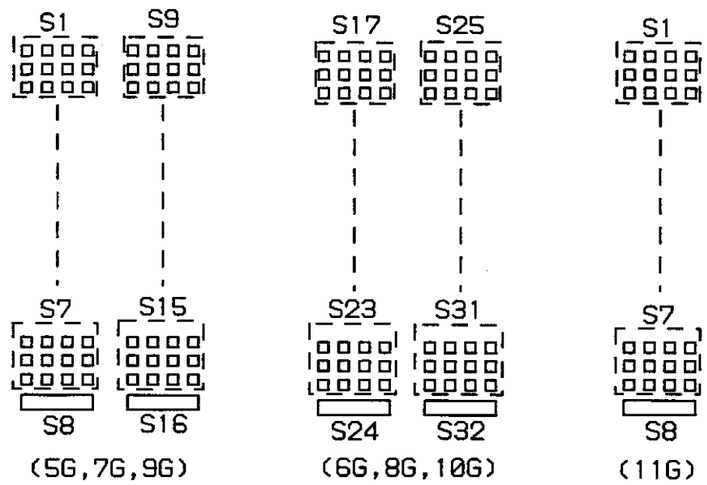

TO FRONT C.B CN104
1 3 5 7 9 11
(FFC104)
DECK C.B
SW5 (CAM2)
SW4 (CST2)
SW3 (REA)
SW2 (CST1)
SW1 (CAM1)
CN1
SOL 2
SOL 1
SFR1
R1
IC1
IC2
L H + –
CRD1
M1 (TAPE MOTOR)
ĐECK2
EH
RPH
ĐECK1
PH
REĐ
BLK WHT
GRN YEL
WHT REĐ
BLU
GRY
BRN
BLK GRN YEL REĐ WHT BLK
WHT BLK REĐ
CON302
CON301
TO MAIN C.B CN302
TO MAIN C.B CN301

FL (BL854GNK BNF – 1) GRID ASSIGNMENT / PIN CONNECTION / ANODE CONNECTION

GRID ASSIGNMENT





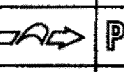
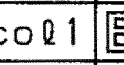
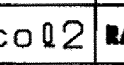
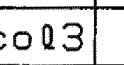
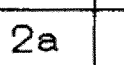
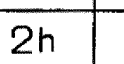
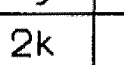
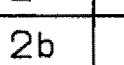
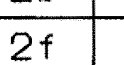
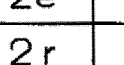


PIN CONNECTION

PIN NO.	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	F2	F2	NP	NP	P21	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	P0	P9	P8	P7	P6	P5	P4	P3	P2	P1	NC	NC	G0	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	NP	NP	F1	F1

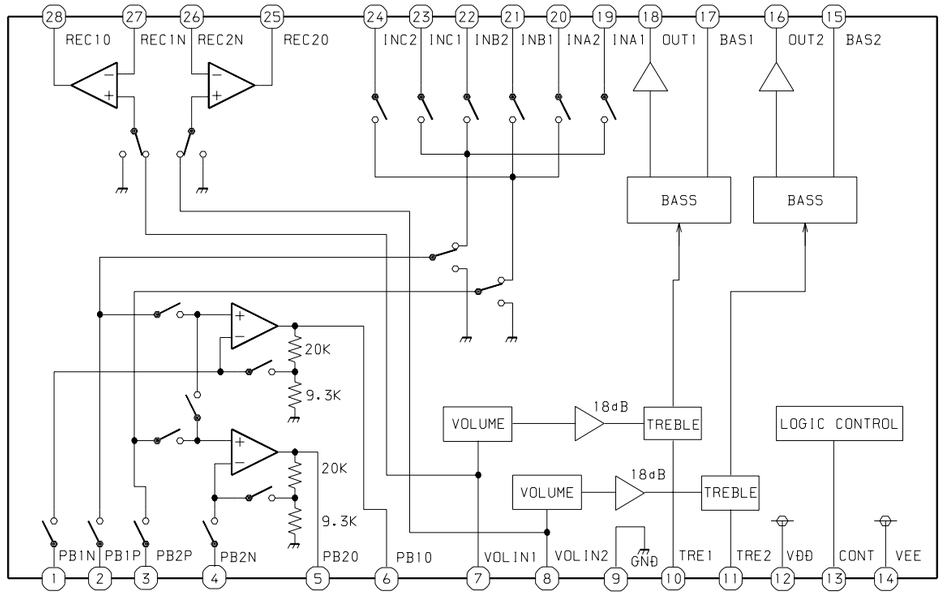
NOTE 1) F1,F2 --- Filament
2) NP ------ No pin
3) NC ------ No connection
4) 1G~11G -- Grid

ANODE CONNECTION

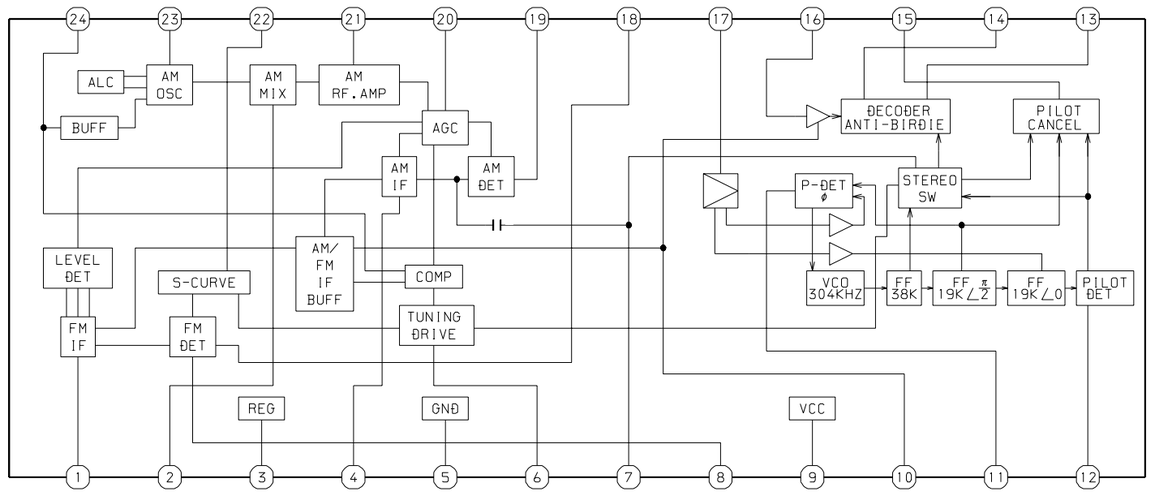
	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
P1	REC			PRGM	S1	–	S1	–	S1	–	S1
P2			col1	EDIT	S9	–	S9	–	S9	–	–
P3	REC		col2	RANDOM	–	S17	–	S17	–	S17	–
P4	–		col3	–	–	S25	–	S25	–	S25	–
P5	2a		2a	2a	S2	–	S2	–	S2	–	S2
P6	2h		2h	2h	S10	–	S10	–	S10	–	–
P7	2j	MONO	2j	2j	–	S18	–	S18	–	S18	–
P8	2k		2k	2k	–	S26	–	S26	–	S26	–
P9	2b		2b	2b	S3	–	S3	–	S3	–	S3
P10	2f		2f	2f	S11	–	S11	–	S11	–	–
P11	2m	TAPE1	2m	2m	–	S19	–	S19	–	S19	–
P12	2g	TAPE2	2g	2g	–	S27	–	S27	–	S27	–
P13	2c	RDS	2c	2c	S4	–	S4	–	S4	–	S4
P14	2e	EON	2e	2e	S12	–	S12	–	S12	–	–
P15	2r		2r	2r	–	S20	–	S20	–	S20	–
P16	2p	AG	2p	2p	–	S28	–	S28	–	S28	–
P17	2n	MHz	2n	2n	S5	–	S5	–	S5	–	S5
P18	2d	kHz	2d	2d	S13	–	S13	–	S13	–	–
P19	1a	1a	1a	1a	–	S21	–	S21	–	S21	–
P20	1h	1h	1h	1h	–	S29	–	S29	–	S29	–
P21	1j	1j	1j	1j	S6	–	S6	–	S6	–	S6
P22	1k	1k	1k	1k	S14	–	S14	–	S14	–	–
P23	1b	1b	1b	1b	–	S22	–	S22	–	S22	–
P24	1f	1f	1f	1f	–	S30	–	S30	–	S30	–
P25	1m	1m	1m	1m	S7	–	S7	–	S7	–	S7
P26	1g	1g	1g	1g	S15	–	S15	–	S15	–	–
P27	1c	1c	1c	1c	–	S23	–	S23	–	S23	–
P28	1e	1e	1e	1e	–	S31	–	S31	–	S31	–
P29	1r	1r	1r	1r	S8	–	S8	–	S8	–	S8
P30	1p	1p	1p	1p	S16	–	S16	–	S16	–	–
P31	1n	1n	1n	1n	–	S24	–	S24	–	S24	–
P32	1d	1d	1d	1d	–	S32	–	S32	–	S32	–

IC BLOCK DIAGRAM

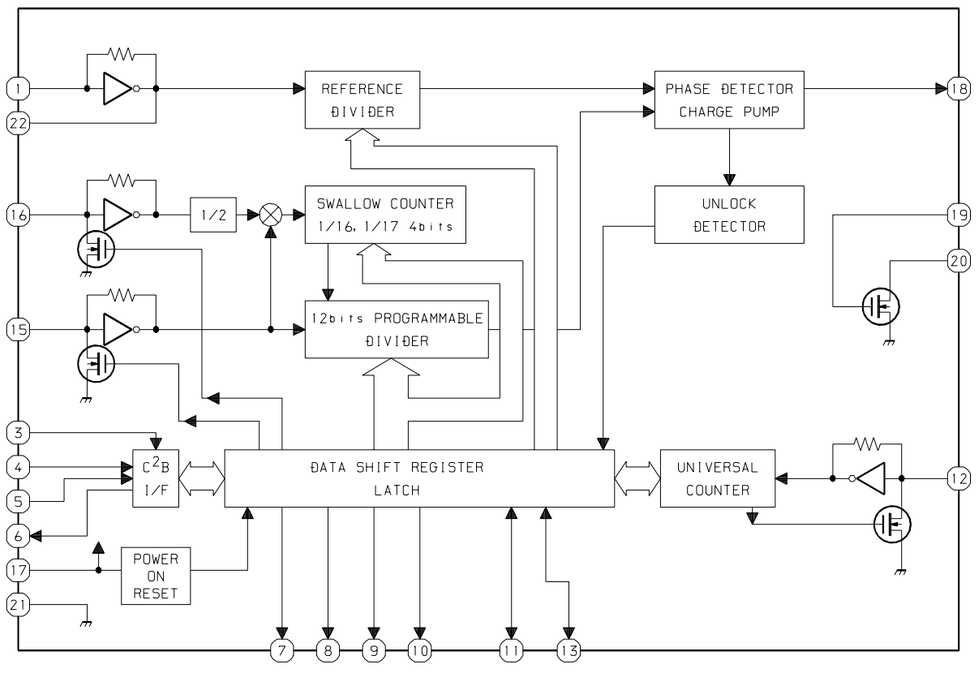
IC, BD3881FV



IC, LA1845N-A



IC, LC72131D-N

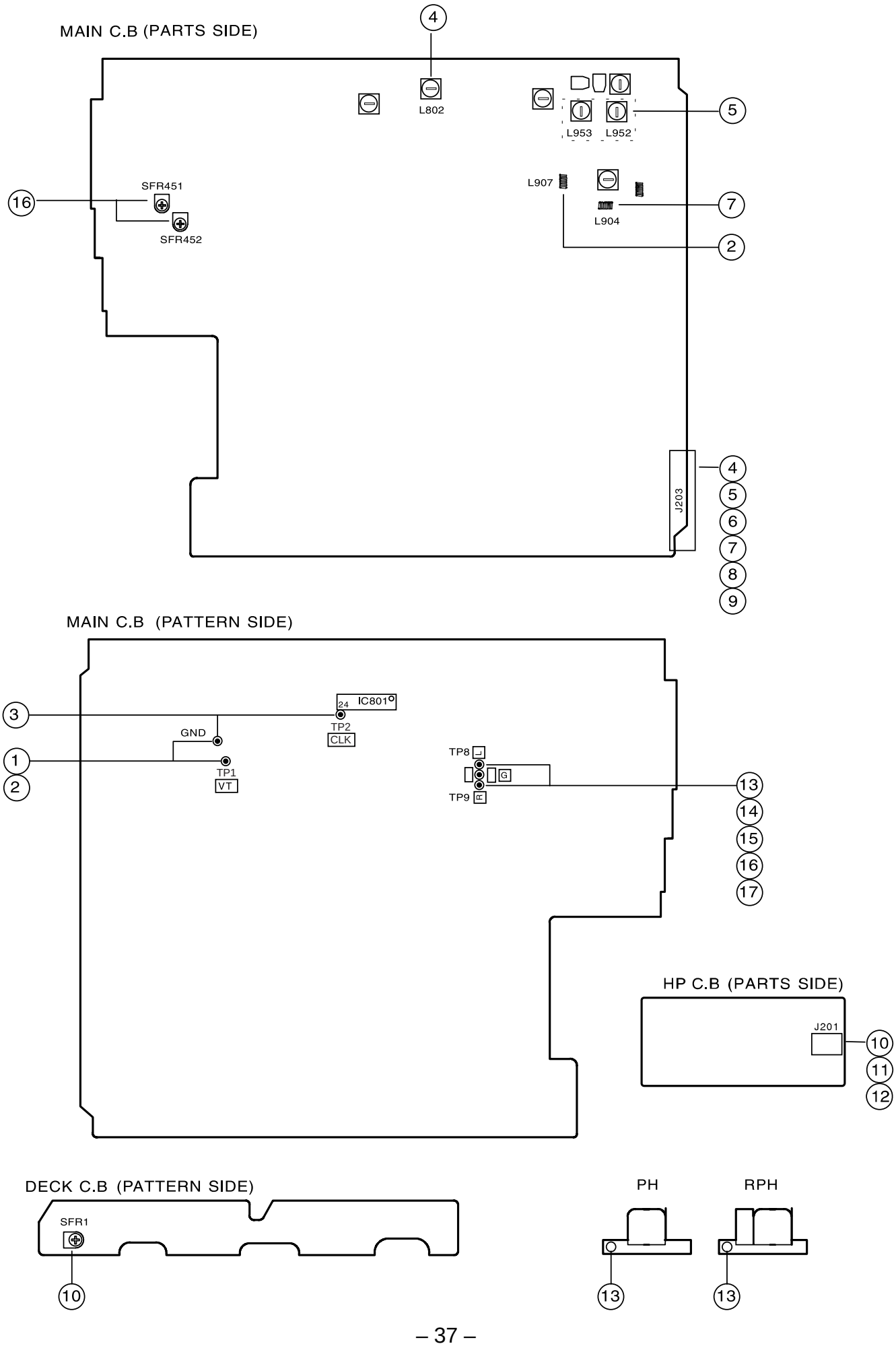


IC DESCRIPTION

IC, UPD780226GF-031-3BA

Pin No.	Pin Name	I/O	Description
1	O-$\overline{\text{MOTOR}}$	O	Deck motor ON/OFF output.
2	O-$\overline{\text{SOL1}}$	O	Deck 1 solenoid output.
3	O-$\overline{\text{SOL2}}$	O	Deck 2 solenoid output.
4	O-$\overline{\text{STBY LED}}$	O	Standby LED (ECO mode) output.
5	O-MUTE	O	System mute ON/OFF output.
6	O-$\overline{\text{KSCAN}}$	O	Diode switch scan timing output.
7	O-PLL_CE	O	PLL IC chip enable output.
8	I-TM_BASE	I	Reference clock input for timer watch.
9	O-TU-ON	O	Tuner power supply ON/OFF output.
10	O-$\overline{\text{PB2}}$	O	Deck 2 playback switch output.
11	O-VF	O	Vocal fader ON/OFF output. (Not used)
12	I-$\overline{\text{AUTO1}}$	I	DECK 1 auto stop signal input.
13	O-$\overline{\text{CD1}}$	O	CD1-LED illumination output.
14	O-$\overline{\text{CD2}}$	O	CD2-LED illumination output.
15	O-$\overline{\text{CD3}}$	O	CD3-LED illumination output.
16	I-$\overline{\text{AUTO2}}$	I	DECK 2 auto stop signal input.
17	IC	–	Connected to GND.
18	VSS0	–	GND.
19	VDD0	–	Power supply.
20	O-POWER	O	System power supply ON/OFF output.
21	I-JOG_A	I	Rotary encoder A input (JOG).
22	I-JOG_B	I	Rotary encoder B input (JOG).
23	I-VOL_A	I	Rotary encoder A input (VOLUME).
24	I-VOL_B	I	Rotary encoder B input (VOLUME).
25	I-SUBQ	I	CD SUBQ data input.
26	I-WRQ	I	CD interruption signal input.
27	I-DRF	I	CD focus on detect data input.
28	I-MIC / I-RDS_CLK	I	MIC input for the vocal fader / Tuner RDS clock input (RDS only). (Connected to pull-down resistor)
29	I-RDS_DATA	I	Tuner RDS data input (RDS only). (Connected to pull-down resistor)
30	$\overline{\text{RESET}}$	I	System reset input ON/OFF.
31	O-DSC / O-DATA	O	Function IC / Tuner IC data output.
32	O-CLK_SFT	O	MICON clock shift output.
33	I-IFC	I	Tune IF count serial data input.
34	I-$\overline{\text{RMC}}$	I	System remote control signal input.
35	I-DISH	I	CD turn table photo sensor A/D converter input.
36	I-$\overline{\text{STEREO}}$	I	Tuner stereo detected input.
37	VDD1	–	Power supply.
38	X2	–	4.19 MHz oscillator circuit.
39	X1	–	4.19 MHz oscillator circuit.
40	VSS1	–	GND.
41	AVDD	–	Power supply.

Pin No.	Pin Name	I/O	Description
42	I-$\overline{\text{HOLD}}$	I	Power failure detected input.
43	I-CDSW	I	CD mechanical switch A/D converter input.
44	I-SPEANA_1	I	A/D input for spectrum analyzer display (LOW).
45	I-SPEANA_2	I	A/D input for spectrum analyzer display (MID).
46	I-SPEANA_3	I	A/D input for spectrum analyzer display (HIGH).
47	I-KEY1	I	Key input 1.
48	I-KEY2	I	Key input 2.
49	I-TU_SIG	I	Tuner signal input. (Connected to pull-down resistor)
50	AVSS	–	GND.
51	O-$\overline{\text{BIAS}}$	O	DECK 2 bias ON/OFF output.
52	O-CD_CE	O	CD chip enable output.
53	O-CD_CLK	O	CD clock output.
54	O-CD_DATA	O	CD data output.
55	O-CLK	O	Tuner clock output.
56 ~ 61	P32 ~ P27	O	FL segment output P32 ~ P27.
62	P26 / $\overline{\text{CAM2}}$	O/I	FL segment output P26 / Deck 2 CAM switch data input.
63	P25 / $\overline{\text{CAM1}}$	O/I	FL segment output P25 / Deck 1 CAM switch data input.
64	P24 / I-$\overline{\text{REA}}$	O/I	FL segment output P24 / Deck 2 side A record OK switch data input.
65	P23 / I-$\overline{\text{CST2}}$	O/I	FL segment output P23 / Deck 2 cassette detect switch data input.
66	P22 / I-$\overline{\text{CST1}}$	O/I	FL segment output P22 / Deck 1 cassette detect switch data input.
67 ~ 70	P21 ~ P18	O	FL segment output P21 ~ P18.
71	P17 / AM10K	O/I	FL segment output P17 / AM10K input to diode.
72	P16 / KARAOKE	O/I	FL segment output P16 / Karaoke input to diode (Not used).
73	P15 / LW	O/I	FL segment output P15 / LW input to diode (Not used).
74	P14 /SW	O/I	FL segment output P14 / SW input to diode (Not used).
75	P13 /OIRT	O/I	FL segment output P13 / OIRT input to diode (Not used).
76	P12 / FM WIDE	O/I	FL segment output P12 / FM wide input to diode (Not used).
77	P11 / R+1	O/I	FL segment output P11 / R+1 input to diode (Not used).
78	P10 / DEMO	O/I	FL segment output P10 / Demo input to diode (Not used).
79	VDD2	–	Power supply.
80	VLOAD	–	Power supply for FL display.
81	P9 / ECO-OFF	O/I	FL segment output P9 / ECO-OFF input to diode (Not used).
82 ~ 89	P8 ~ P1	O	FL segment output P8 ~ P1.
90 ~ 100	G1 ~ G11	O	FL grid output G1 ~ G11.


MAIN C.B (PARTS SIDE)
4
L802
5
L953
L952
SFR451
16
SFR452
L907
7
L904
2
J203
4
5
6
7
8
9
MAIN C.B (PATTERN SIDE)
3
IC801
24
TP2
CLK
GND
1
2
TP1
VT
TP8
G
TP9
13
14
15
16
17
HP C.B (PARTS SIDE)
J201
10
11
12
DECK C.B (PATTERN SIDE)
SFR1
10
PH
RPH
13
13

<Tuner Section>

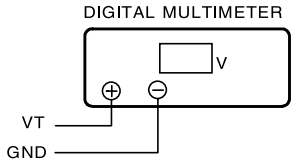
1. AM VT Check

   Requirement

   - Measuring instrument: Digital multimeter

     Test points: VT, GND

     1) Connect the digital multimeter between VT and GND.
     2) Set the function to AM and the receiving frequency to 1,710kHz.
     3) Check that the digital multimeter indicates 9V or less.
     4) Tune to the receiving frequency to 530kHz.
     5) Check that the digital multimeter indicates 0.5V or above.



2. FM VT Adjustment and Check

   Requirement: As instructed in 1.

   - Adjustment location: L907

     1) Connect the digital multimeter between VT and GND.
     2) Set the function to FM and the receiving frequency to 108.0MHz.
     3) Adjust L907 so that the digital multimeter indicates 7.0V ± 0.1V.
     4) Tune to the receiving frequency to 87.5MHz.
     5) Check that the digital multimeter indicates 1.5V or less.

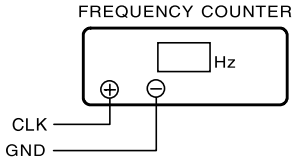
3. AM Clock Check

   Requirement

   - Measuring instrument: Frequency counter

     Test points: CLK, GND

     1) Connect the frequency counter between CLK and GND.
     2) Set the function to AM and the receiving frequency to 1,710kHz.
     3) Check that the frequency counter indicates 2,160kHz ± 45Hz.

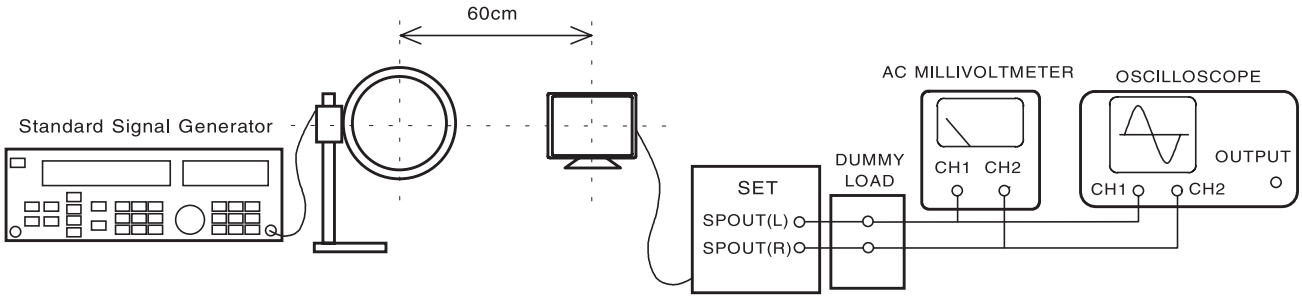


<AM Adjustment>

Make the following preparation for AM adjustment.

Preparation

- Measuring instruments: Standard Signal Generator (S.S.G.) / Loop antenna / Oscilloscope / Millivoltmeter / Dummy resistance (6W)
  1) Connect the unit and measuring instruments as shown in the diagram below.



  2) Position the loop antenna connected to S.S.G. and the one connected to the unit 60cm apart.

4. AM IF Adjustment

   Requirement: As instructed in preparation.

   - Adjustment location: L802

     1) Set S.S.G. to AM, carrier of 1,000kHz with 30% modulation, source at 1kHz, and output approximately at MAX.
     2) Tune the unit to the receiving frequency at AM 1,000kHz.
     3) While monitoring the waveform at 1kHz through the oscilloscope, lower the output level of S.S.G. (till a certain degree of noise is monitored).
     4) Adjust L802 so that the Millivoltmeter indicates maximum.

5. AM Tracking Adjustment

   Requirement: As instructed in preparation.

   - Adjustment locations: L952 / L953
     1) Set S.S.G. to AM, carrier of 1,000kHz with 30% modulation, source at 1kHz, and output approximately at MAX.
     2) Tune the unit to the receiving frequency at AM 1,000kHz.
     3) While monitoring the waveform at 1kHz through the oscilloscope, lower the output level of S.S.G. (till a certain degree of noise is monitored).
     4) Adjust L952 so that the Millivoltmeter indicates maximum.
     5) Set S.S.G. to AM, carrier of 600kHz with 30% modulation, and source at 1kHz.
     6) Tune the unit to the receiving frequency at AM 600kHz.
     7) Adjust L953 so that the Millivoltmeter indicates maximum.
     8) Repeat the above steps 1 to 7 two or three times.

6. AM Auto-Stop Check

   Requirement: As instructed in preparation.

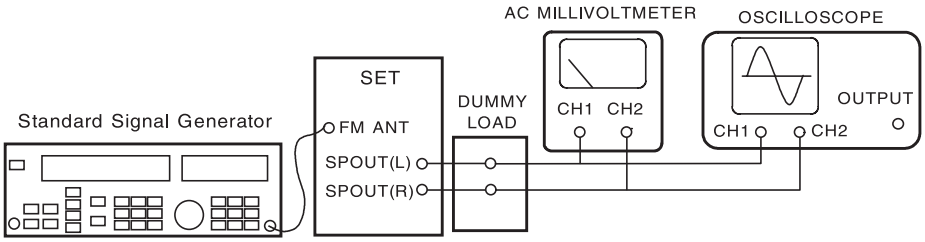
   1) Set S.S.G. to AM, carrier of 1,000kHz with 30% modulation, source at 1kHz, and output at 74dBµV.
   2) Apply the tuning search function, and check that the unit automatically stops at AM 1,000kHz.

<FM Adjustment>

Make the following preparation for FM adjustment.

Preparation

- Measuring instruments: Standard Signal Generator (S.S.G.) / Oscilloscope / Millivoltmeter / Dummy resistance (6W)
  1) Connect the unit and measuring instruments as shown in the diagram below.
  2) Connect the output of S.S.G. to the antenna input of the unit.



7. FM Tracking Adjustment

   Requirement: As instructed in preparation.

   - Adjustment location: L904
     1) Set S.S.G. to FM, carrier of 87.5MHz with 75kHz modulation, source at 1kHz and output approximately at MAX.
     2) Tune the unit to the receiving frequency at FM 87.5MHz.
     3) While monitoring the waveform at 1kHz through the oscilloscope, lower the output level of S.S.G. (till a certain degree of noise is monitored).
     4) Adjust L904 so that the Millivoltmeter indicates maximum.

8. FM Separation Check

   Requirement: As instructed in preparation.

   1) Set S.S.G. to FM, carrier of 98MHz with 67.5kHz modulation, source at 1kHz and output at 60dBµV.
   2) Switch S.S.G. to PILOT ON and set to PILOT 7.5kHz.
   3) Tune the unit to the receiving frequency at FM 98MHz.
   4) Set the output of S.S.G. available only from Lch, and check that the difference between Lch and Rch is 25dB or above while monitoring the Millivoltmeter.
   5) Apply the above check to Rch.

9. FM Auto-Stop Check

   Requirement: As instructed in preparation.

   1) Set S.S.G. to FM, carrier of 98MHz with 75kHz modulation, source at 1kHz and output at 10 ~ 35dBµV or less.
   2) Apply the tuning search function, and check that the unit automatically stops at FM 98MHz.

<DECK section>

Preparation

- Measuring instruments: Wow-flutter meter / Oscilloscope / Millivoltmeter / Low frequency generator / Attenuator
- Test tape: TTA-100 / TTA-300 (or TTA-310, 320) / TTA-200 / TTA-602 (or equivalent playback/ record test tape)

10. Tape Speed Adjustment (DECK 2)

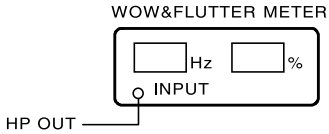
Requirement: Wow-flutter meter (frequency counter)

Test tape: TTA-100 (3kHz)

Test point: HP OUT

Adjustment location: SFR1

1) Connect HP OUT of the unit to the wow-flutter meter.
2) Insert the test tape (TTA-100) into DECK 2. Forward and play back the middle part of the tape and adjust SFR1 so that the level is 3000Hz ± 5Hz.



11. Tape Speed Check (DECK 1)

Requirement: As instructed in 1

1) Insert the test tape (TTA-100) into DECK 1. Play back the middle part of the tape and check that the speed compared to that of DECK 2 is ranged within ± 55Hz.

12. Wow-flutter Check (DECK 1, DECK 2)

Requirement: As instructed in 1

1) Connect HP OUT of the unit to the wow-flutter meter.
2) Set the wow-flutter meter to JIS for INDICATOR and W RMS (WTD) for mode.
3) Play back the middle part of the test tape (TTA-100) and check that the level is 0.25% or less.

13. Head Azimuth Adjustment (DECK 1, DECK 2)

Requirement

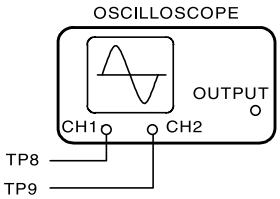
- Measuring instrument: Oscilloscope

Test tape: TTA-300 (10kHz)

Test points: TP8 (Lch), TP9 (Rch)

Adjustment location: Head azimuth adjustment screw

1) Connect the CH1 probe of the oscilloscope to TP8 (Lch) and the CH2 probe to TP9 (Rch).
2) Set the V mode of the oscilloscope to ADD.
3) Insert the test tape (TTA-300) into DECK 1. Forward and play back the middle part of the tape and adjust the head azimuth adjustment screw so that the waveform during playback of 10kHz becomes maximum.
4) After adjustment, secure the screw with bonding (1600B).
5) Apply the above steps 3 and 4 to DECK 2.



14. Playback Frequency Check (DECK 1, DECK 2)

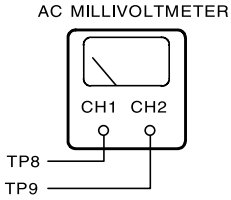
Requirement

- Measuring instrument: Millivoltmeter

Test tape: TTA-300 (315Hz / 10kHz)

Test points: TP8 (Lch), TP9 (Rch)

1) Connect the CH1 of the Millivoltmeter to TP8 (Lch) and the CH2 to TP9 (Rch).
2) Insert the test tape (TTA-330) into DECK 1 and play back 315Hz and 10kHz.
3) Check that the level of 8kHz is within ± 3dB compared to the output level of 315Hz as a reference.
4) Apply the above steps 2 and 3 to DECK 2.



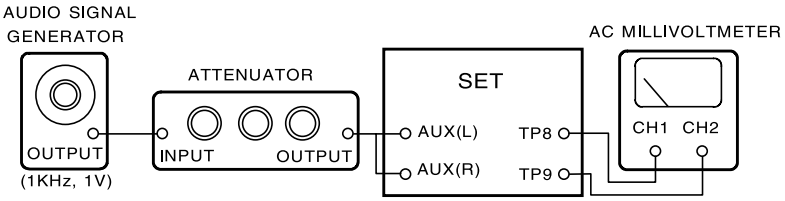
15. Playback Sensitivity Check (DECK 1, DECK 2)

Requirement

- Measuring instrument: Millivoltmeter
  Test tape: TTA-200 (400Hz)
  Test points: TP8 (Lch), TP9 (Rch)
  1) Connect the CH1 of the Millivoltmeter to TP8 (Lch) and the CH2 to TP9 (Rch).
  2) Insert the test tape (TTA-200) into DECK 1 and play it back.
  3) Check that the output level is within 280mV ± 3dB.
  4) Apply the above steps 2 and 3 to DECK 2.

16. Playback / Record Frequency Adjustment (DECK 2)

Requirement



- Measuring instruments: Millivoltmeter, Audio signal generator (low frequency generator), Attenuator
  Test tape: TTA-602 (NORMAL)
  Test points: TP8 (Lch), TP9 (Rch)
  Input point: AUX (1kHz / 8kHz)
  Adjustment locations: SFR451 (Lch), SFR452 (Rch)
  1) Connect the CH1 of the Millivoltmeter to TP8 (Lch) and the CH2 to TP9 (Rch).
  2) Connect the output from the generator to the attenuator and the attenuator to AUX of the unit.
  3) Insert the test tape (TTA-602) into DECK 2 and record the 1kHz signal from AUX.
  4) Adjust the attenuator so that the output levels from TP8 and TP9 become 10mV.
  5) Record 1kHz and 8kHz alternatively.
  6) Adjust SFR451 (Lch) and SFR452 (Rch) so that the playback output level of 8kHz is within 0 ± 1dB compared to the playback output level of 1kHz as reference.

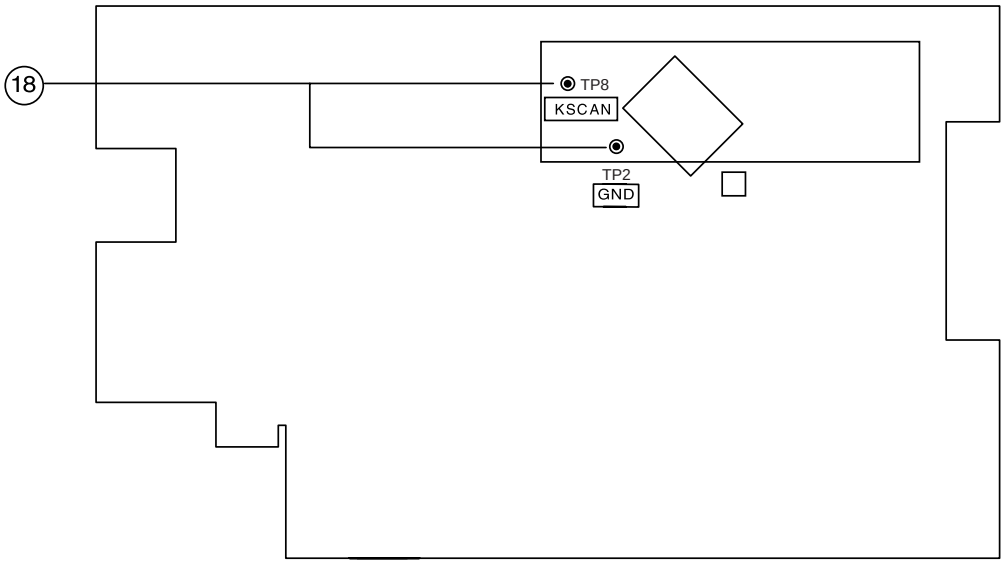
17. Playback / Record Sensitivity Check (DECK 2)

Requirement

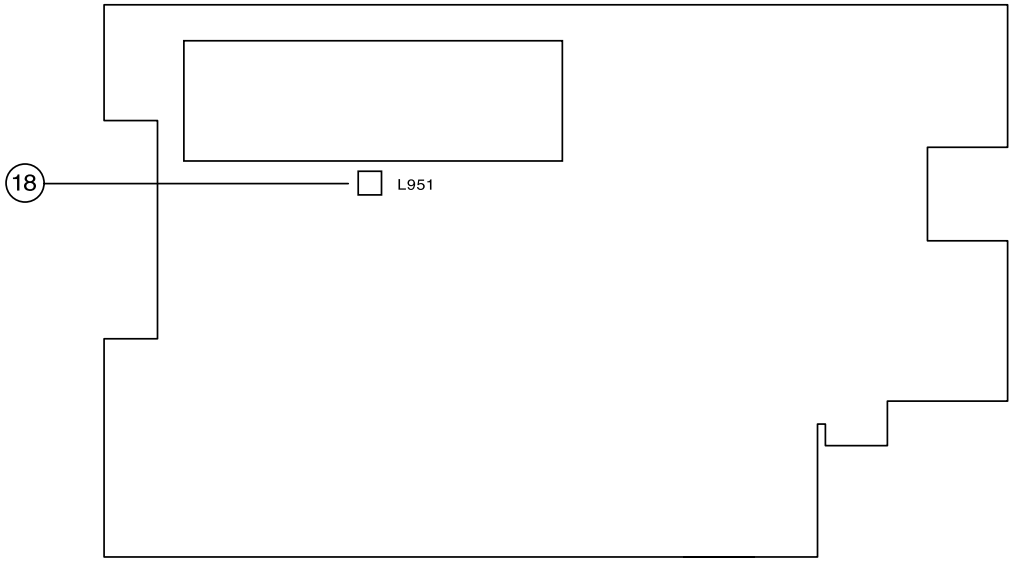
- Measuring instrument: As instructed in 18
  Test tape: TTA-602 (NORMAL)
  Test points: TP8 (Lch), TP9 (Rch)
  Input point: AUX (1kHz)
  1) Insert the test tape (TTA-602) into DECK 2 and record the 1kHz signal from AUX.
  2) Adjust the attenuator so that the output levels of TP8 and TP9 become 100mV.
  3) Play back the 1kHz signal, and check that the output level is within - 2dB ± 2dB compared to the output level during recording.

<FRONT>

FRONT C.B (PATTERN SIDE)



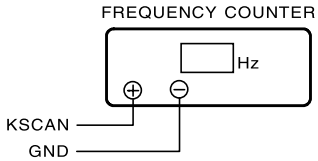
FRONT C.B (PARTS SIDE)



18. Clock Adjustment

Requirement

- Measuring instrument: Frequency counter
  Test points: KSCAN, GND
  Adjustment location: L951
  1) Insert the AC plug while holding down the POWER and UP buttons.
  2) Adjust L951 so that the frequency counter indicates 84.804Hz ± 0.084Hz.



CD TEST MODE

CD TEST MODE Ver. 3.0

1. Starting CD Test Mode

While pressing and holding down the CD OPEN/CLOSE button, insert the AC plug to outlet.
When test mode starts, the message, “TEST” appears on the display.

2. Exiting CD Test Mode

Press the other function key, POWER button or remove the AC plug from outlet.

3. Function of CD Test Mode

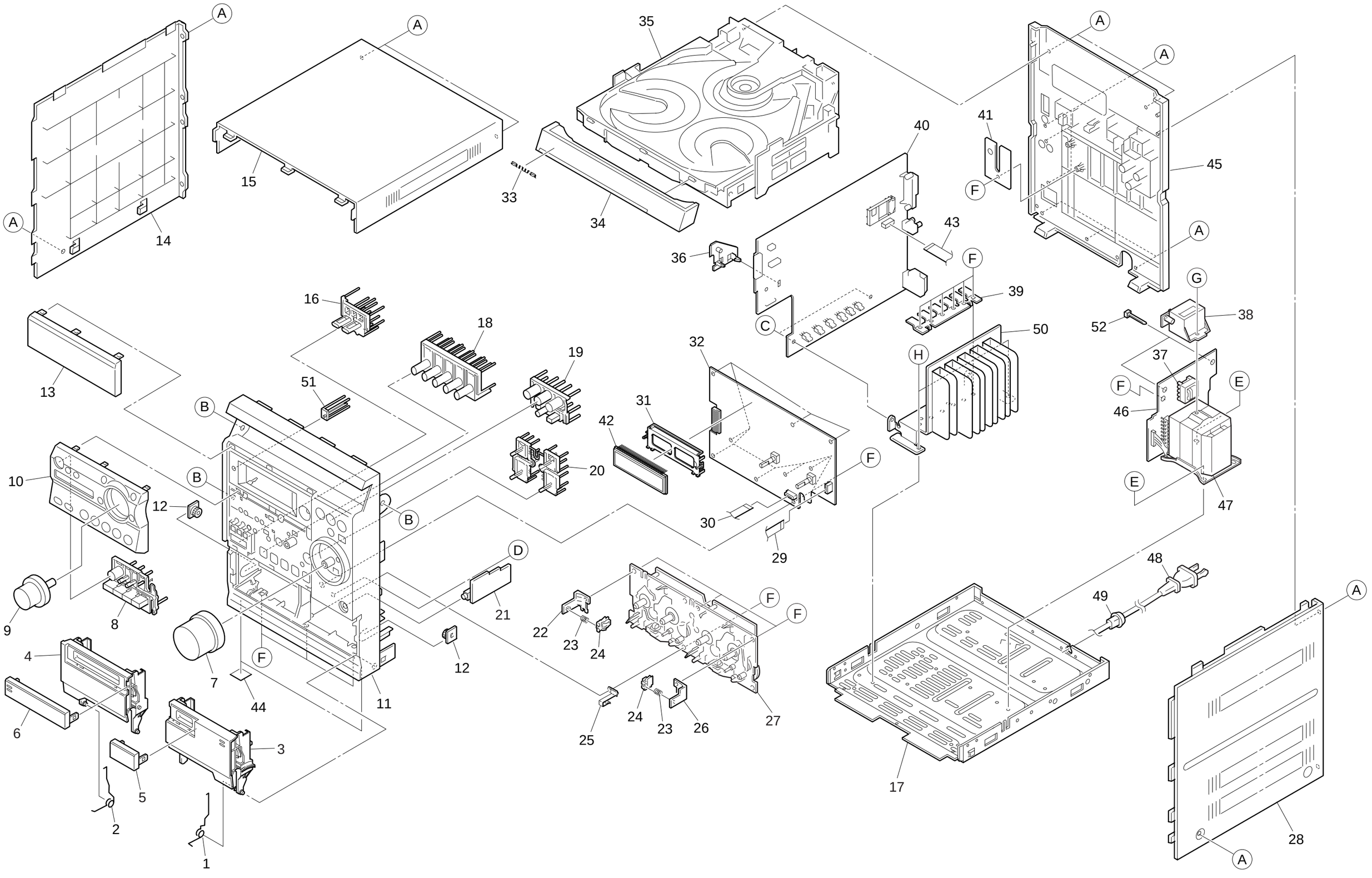
No	Mode	Function Key	Display	Movement	Check
1	Start Mode		All lit.	FL all lit.	• FL check • Microcomputer check
2	Search Mode	STOP button	READING	• LD constantly lit. • Focus search continuous movement *1, 2 • Spindle motor continuous kick	• APC circuit check • Laser current electricity measurement • Focus search waveform check • Focus error waveform check (DRF is ignored during search mode.)
3	Play Mode	PLAY button	Normal	• Normal playback • If TOC READ is unavailable, focus search is continued.	• Each servo circuit check • DRF check • RF waveform(1.5Vp-p approx.)
4	Traverse Mode	PAUSE button	Normal	• Tracking servo OFF/ON OFF and ON is repeated by every press of the PAUSE button.	• Tracking balance check
5	Sled mode	FF button	TEST	• PU moves to the innermost position. *3 At the same time, lens is kicked toward inner position.	• Sled circuit check • Tracking circuit check • Mechanism movement check • PU check
		RWD button	TEST	• PU moves to the outermost position. *3 At the same time, lens is kicked toward outer position.	
6	Spindle mode	● REC/ REC MUTE button	All lit.	• When the button is pressed at the first time, spindle motor rotates forward (at rough speed). At the second press, rotation is reversed. At the third press, rotation stops.	• Spindle circuit check • Spindle motor check

* 1 … When Focus Search operates continuously more than 10 minutes, the protection circuit is activated due to heat generation of the driver IC. In this case, turn off the power, wait for approximately 10 minutes so that heat is released, and then restart.

* 2 … When the Forcus Search fails three times, the gain is switched for CD-RW at the fourth time.

* 3 … Be careful not to damage the gear because the sled motor rotates while the FF or RWD button is being pressed even if the pickup is located in the innermost track or the outermost track.

MECHANICAL EXPLODED VIEW



MECHANICAL PARTS LIST

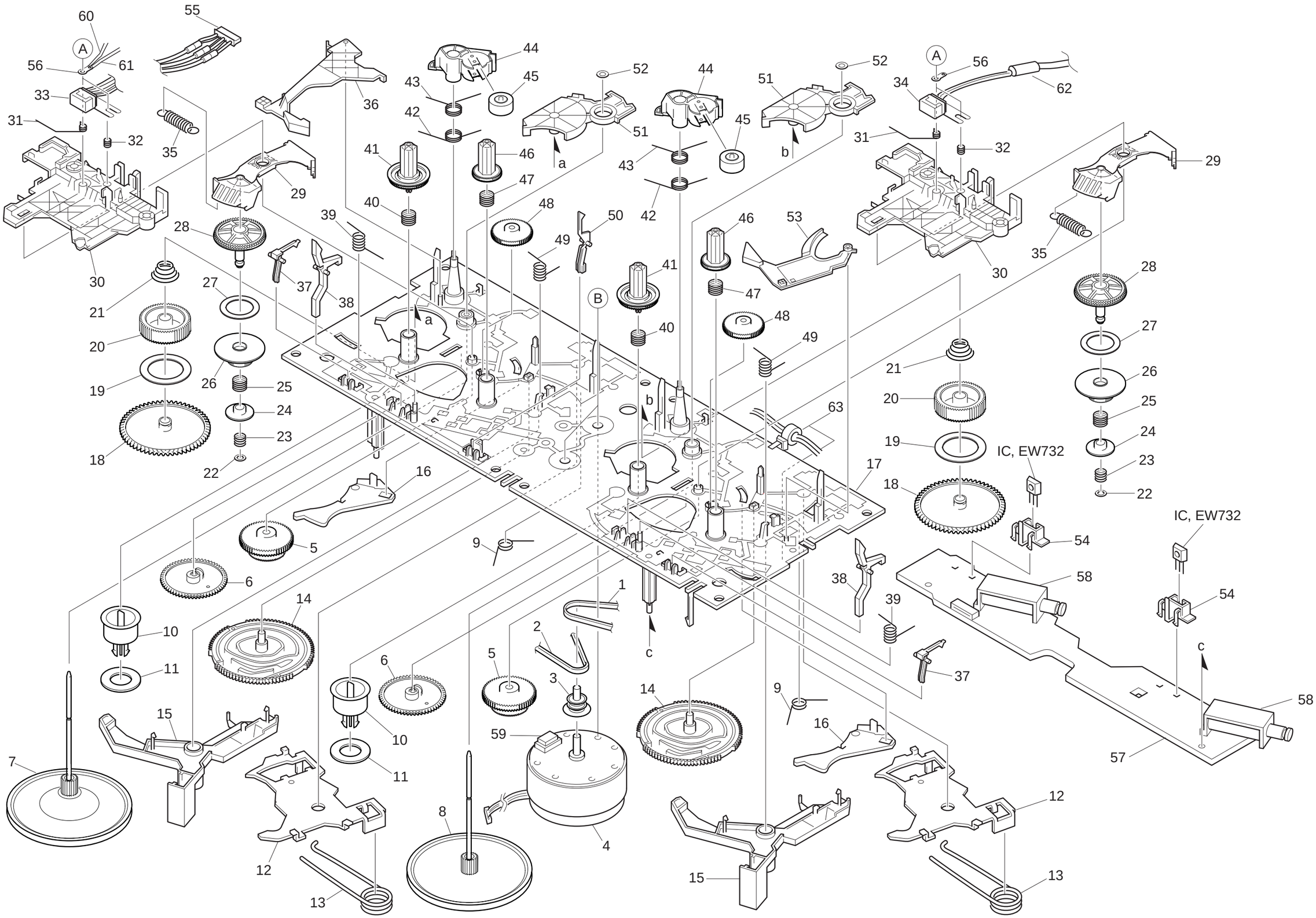
! = ⚠ SAFTY PARTS
C = Components marked
All components used on this model at the production line are shown in this service manual.
However, please note that not all components will be available as spare parts for after-sales service.
Components marked S and O are designated as spare parts for service and will be stocked at the spare parts centers.
Components marked X and R are not designated as spare parts for after sales service, and will not be stocked at the spare parts centers.

UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
		O	MC1001	8A-NF8-282-010	SPR-T,EJECT 2	a
		O	MC1002	8A-NF8-281-010	SPR-T,EJECT 1	a
		O	MC1003	8C-NF8-003-010	BOX,CASS 2	a
		O	MC1004	8C-NF8-002-010	BOX,CASS 1	a
		O	MC1005	8C-NF8-006-010	WINDOW,CASS 2	a
		O	MC1006	8C-NF8-005-010	WINDOW,CASS 1	a
		O	MC1007	8C-NF8-020-010	KNOB,RTRY VOL	a
		O	MC1008	8C-NF8-009-010	KEY,POWER	a
		O	MC1009	8C-NF8-027-010	KNOB,RTRY JOG	a
		O	MC1010	8C-NF8-007-010	PANEL,FR	a
		O	MC1011	8C-NF7-007-010	CABI,FR U	a
		O	MC1012	8Z-NF6-210-010	DMPR,150 N	a
		O	MC1013	8C-NF7-003-010	WINDOW,DISP U	a
		O	MC1014	8C-NF8-024-010	PANEL,LEFT V-2	a
		O	MC1015	8C-NF8-026-110	PANEL,TOP V-2	a
		O	MC1016	8C-NF8-012-010	KEY,REC	a
		X	MC1017	8C-NF8-231-010	CHAS,MAIN CC 76-60	a
		O	MC1018	8C-NF8-013-010	KEY,OPE	a
		O	MC1019	8C-NF7-006-010	KEY,ASSY CD	a
		X	MC1019a	8C-NF7-001-010	KEY,CD LED	a
						CX-SND60 USC
		X	MC1019b	8C-NF7-002-010	REFLECTOR,CD	a
		O	MC1020	8C-NF8-011-010	KEY,ENTER	a
		X	MC1021	8C-NF8-636-010	PWB,HP U/LH/HR/V	a
		O	MC1022	87-NF4-216-010	HLDR,LOCK 1	a
		O	MC1023	86-NF9-224-010	SPR-C,LOCK	a
		O	MC1024	82-NF5-229-010	PLATE,LOCK(*)	a
		X	MC1025	8A-NF8-217-010	PLATE,EARTH MECHA C	a
		O	MC1026	87-NF4-217-110	HLDR,LOCK 2	a
		X	MC1027	M8-ZZM-39F-070	ZZM-3 YPR4NC	a
		O	MC1028	8C-NF8-025-010	PANEL,RIGHT V-2	a
		O	MC1029	88-908-301-110	FF-CABLE,8P 1.25 300MM	a
		O	MC1030	88-911-101-110	FF-CABLE,11P 1.25 100MM	a
		O	MC1031	8B-NF9-207-010	GUIDE,FL 90.2-20	a
		X	MC1032	8C-NF7-641-010	PWB,FRONT	a
		O	MC1033	87-B00-002-010	BADGE,AIWA 30 ABS SIL	a
		O	MC1034	8C-NF8-008-010	PANEL,TRAY	a
		X	MC1035	M8-BZG-29G-070	BZG-2 ZD5GNC	a
		O	MC1036	8A-NF8-206-010	HLDR,PWB M	a
	!	O	MC1037	8C-NF8-651-010	PT,SUB U YKP01245	a
		O	MC1038	8A-DB8-209-010	HLDR,PWB PT	a
						CX-SND60 USC
		X	MC1039	8C-NF7-208-010	HLDR,TR	a
		X	MC1040	8C-NF8-631-010	PWB,MAIN U/LH/HR/V	a
		X	MC1041	8C-NF7-643-010	PWB,HLDR WIRE	a
		O	MC1042	8B-NF1-610-010	FL,BJ854GNK BNF-1	a
		O	MC1043	88-906-251-110	FF-CABLE,6P 1.25	a
		X	MC1044	8B-NF9-204-010	CUSH, 11-8.5-2	a
		O	MC1045	8C-NF7-021-010	CABI,REAR USC	a
		X	MC1046	8C-NF8-635-010	PWB,PT 76 U/LH/HR/V	a
	!	O	MC1047	8C-NF7-607-010	PT,CNF-7 U	a
	!	O	MC1048	87-A80-110-010	AC CORD ASSY,U SPT-2W	a
		O	MC1049	87-A91-422-010	BUSHING,AC CORD(U)	a
		X	MC1050	8C-NF7-206-010	HT-SINK,ASSYC	a
		X	MC1050a	8C-NF7-207-010	HT-SINK,MAINC	a
		X	MC1050b	8C-NF7-203-010	HT-SINK,FIN C	a
		X	MC1050c	8C-NF8-213-010	HT-SINK,FIN C	a
		O	MC1051	8C-NF8-014-010	REFLECTOR,ECO	a
		O	MC1052	87-A90-193-010	HLDR,CV100 (B)	a
		O	MC1A	87-B10-091-010	UTT2+3-10 W/O SLOT BLK	a
		O	MC1B	87-721-096-410	QT2+3-10 W/O SLOT	a
		O	MC1C	87-NF4-224-010	S-SCREW,IT3B+3-8 CU	a
						CX-SND60 USC
		O	MC1D	88-AR1-217-010	S-SCREW,BFT2+3-8	a
		O	MC1E	87-078-200-010	S-SCREW,ITC+4-8 R	a
		O	MC1F	87-067-703-010	BVT2+3-10 W/0 SL0T	a
		O	MC1G	87-067-689-010	BVTT+3-8	a
		O	MC1H	87-B10-315-010	BVIT3B+3-8 R W/O	a

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green	HT	Transparent Gray
HM	Metallic Gray	NH	Champagne Gold	M	Wood Pattern

TAPE MECHANISM EXPLODED VIEW



TAPE MECHANISM PARTS LIST

! = ⚠ SAFTY PARTS
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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						ZZM-3 YPR4NC
		O	ST1001	8Z-ZM3-227-210	BELT,MAIN M3	a
		O	ST1002	8Z-ZM3-235-110	BELT,MAIN L	a
		O	ST1003	8Z-ZM1-235-010	PULLEY,MOT	a
		O	ST1004	87-A92-321-010	MOT,SHU2L 60	a
		O	ST1005	8Z-ZM1-232-010	GEAR,IDL FF/REW	a
		O	ST1006	8Z-ZM3-229-010	GEAR,IDL M3	a
		O	ST1007	8Z-ZM3-256-010	FLY-WHL ASSY,M3 R	a
		X	ST1007a	8Z-ZM2-211-310	FLY-WHL,ZZM-2	a
		X	ST1007b	8Z-ZM3-242-110	SHAFT,CAP M3	a
		O	ST1008	8Z-ZM3-255-010	FLY-WHL ASSY,M3 L	a
		X	ST1008a	8Z-ZM3-228-210	FLY-WHL,M3	a
		X	ST1008b	8Z-ZM3-242-110	SHAFT,CAP M3	a
		O	ST1009	8Z-ZM3-231-310	SPR-T,TRIG	a
		O	ST1010	8Z-ZM3-213-110	CLR,MG	a
		O	ST1011	82-ZM3-616-010	RING MAGNET 4	a
		O	ST1012	8Z-ZM3-243-110	LEVER ASSY,HD UP	a
		X	ST1012a	8Z-ZM3-207-010	LEVER,HD UP	a
		X	ST1012b	8Z-ZM3-241-110	SHAFT,HD UP	a
		O	ST1013	8Z-ZM3-238-110	SPR-T,HD UP	a
		O	ST1014	8Z-ZM3-219-310	GEAR,CAM M3	a
						ZZM-3 YPR4NC
		O	ST1015	8Z-ZM3-206-010	LEVER,TRIG	a
		O	ST1016	8Z-ZM3-209-010	LEVER,CAM FR	a
		O	ST1017	8Z-ZM3-203-310	CHAS ASSY,M3	a
		X	ST1017a	8Z-ZM1-268-010	BRG,METAL	a
		X	ST1017b	8Z-ZM3-201-310	CHAS ASSY,OUT-SERT M3	a
		X	ST1017c	8Z-ZM3-202-010	CHAS,M3	a
		O	ST1018	8Z-ZM1-228-010	GEAR,SLIP T-UP B	a
		O	ST1019	8Z-ZM1-265-010	FELT,T-UP	a
		O	ST1020	8Z-ZM1-227-010	GEAR,SLIP T-UP A	a
		O	ST1021	8Z-ZM1-251-310	SPR-C,T-UP SLIP	a
		O	ST1022	8Z-ZM1-275-010	W-L,1.47-4-0.25	a
		O	ST1023	8Z-ZM1-257-210	SPR-C,F/R	a
		O	ST1024	8Z-ZM1-236-010	CLR,SLIP FF/REW	a
		O	ST1025	8Z-ZM3-261-010	SPR-C,FR M3 C	a
		O	ST1026	8Z-ZM3-250-010	GEAR,SLIP F/R A M3	a
		O	ST1027	8Z-ZM1-269-010	FELT,FF/REW 2	a
		O	ST1028	8Z-ZM1-238-110	GEAR,SLIP FF/REW B 2	a
		O	ST1029	8Z-ZM3-220-110	LEVER,FR M3	a
		O	ST1030	8Z-ZM3-205-110	LEVER,PLAY M3	a
		O	ST1031	8Z-ZM3-262-010	SPR-T,BRG M3 C	a
						ZZM-3 YPR4NC
		O	ST1032	84-ZM2-227-310	SPR-C,AZIMUTH	a
		O	ST1033	87-A92-324-010	HEAD,RPEH C-9142-CD	a
		O	ST1034	87-A92-325-010	HEAD,PH P-9142-CD	a
		O	ST1035	8Z-ZM3-263-010	SPR-E,FR C	a
		O	ST1036	8Z-ZM3-211-110	LEVER,EJECT R	a
		O	ST1037	8Z-ZM3-225-110	LEVER,STOP	a
		O	ST1038	8Z-ZM3-221-210	LEVER,CAS	a
		O	ST1039	8Z-ZM3-234-310	SPR-T,LVR CAS	a
		O	ST1040	8Z-ZM3-223-310	SPR-C,REEL R M3	a
		O	ST1041	8Z-ZM1-225-110	GEAR,REEL R	a
		O	ST1042	8Z-ZM3-264-010	SPR-T,T-UP M3 C	a
		O	ST1043	8Z-ZM3-252-010	SPR-T,PINCH 2	a
		O	ST1044	8Z-ZM3-215-110	LEVER,PINCH M3	a
		O	ST1045	8Z-ZM1-261-110	ROLLER ASSY,PINCH	a
		X	ST1045a	8Z-ZM1-263-010	ROLLER,PINCH	a
		X	ST1045b	8Z-ZM1-262-010	CLR,ROLLER	a
		O	ST1046	8Z-ZM1-226-010	GEAR,REEL L	a
		O	ST1047	8Z-ZM3-222-210	SPR-C,REEL L M3	a
		O	ST1048	8Z-ZM3-251-010	GEAR,IDL REW M3	a
		O	ST1049	8Z-ZM3-236-310	SPR-T,PLAY M3	a
						ZZM-3 YPR4NC
		O	ST1050	82-ZM1-240-110	LVR,REC	a
		O	ST1051	8Z-ZM3-216-310	LEVER,T-UP M3	a
		O	ST1052	87-B10-301-010	W-L,1.63-3.2-0.5 SLIT	a
		O	ST1053	8Z-ZM3-212-010	LEVER,EJECT L	a
		O	ST1054	8Z-ZM3-214-010	HLDR,IC	a
		O	ST1055	86-ZM3-605-110	CONN ASSY,8P -RPB	a
		X	ST1056	87-450-411-010	TERMINAL,LB 1	a
		X	ST1057	8Z-ZM3-604-010	PWB,MAIN C	a
		O	ST1058	82-ZM3-621-210	SOL ASSY,27 KO	a
		X	ST1058a	82-ZM3-622-010	HLDR,BOBBIN SOL KO	a
		X	ST1058b	82-ZM3-623-010	YOKE,SOL KO	a
		X	ST1058c	82-ZM3-624-010	SHAFT,CORE SOL KO	a
		X	ST1058d	82-ZM3-625-010	SHAFT,PLUNGER SOL KO	a
		X	ST1058e	82-ZM3-626-010	TERMINAL,SOL KO	a
		X	ST1059	8Z-ZM3-224-210	SH,BELT M3	a
		X	ST1060	89-936-100-110	WIRE,UB6-10-3	a
		X	ST1061	89-937-220-110	WIRE,UB7-22-3	a
		O	ST1062	86-ZM3-604-210	CONN ASSY,3P -PB	a
		O	ST1063	87-A90-193-010	HLDR,CV100 (B)	a
		O	ST1A	84-ZM2-252-010	S-SCREW,AZI-2-6.4 C	a

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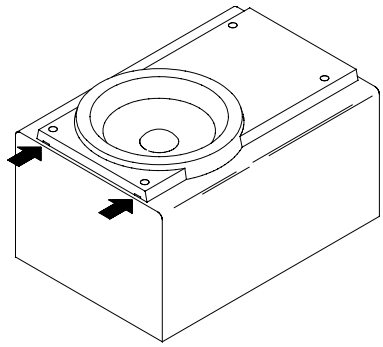
UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						ZZM-3 YPR4NC
		O	ST1B	8Z-ZM3-245-110	V+2.6 ZZM-3	a

GENERAL SPEAKER DISASSEMBLY INSTRUCTIONS (FOR REFERENCE)

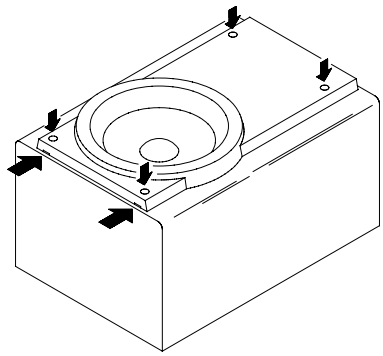
Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



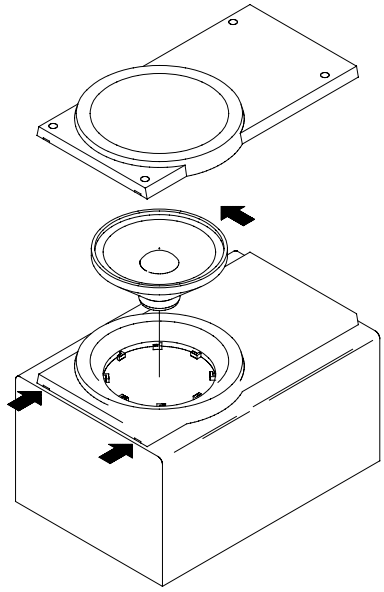
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

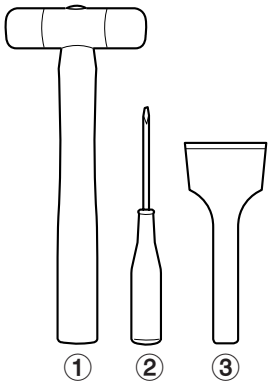


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



Type.4



TOOLS

① Plastic head hammer
② (⊖) flat head screwdriver
③ Cut chisel

How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.

2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.

3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

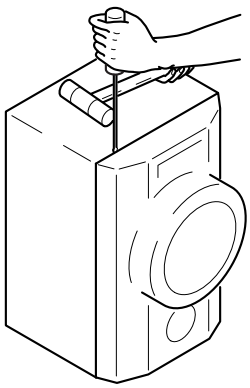


Fig-1

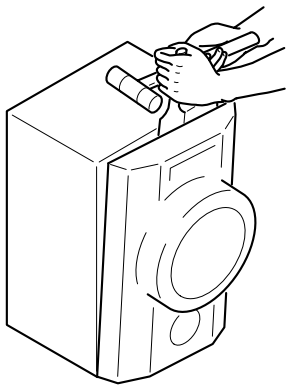


Fig-2

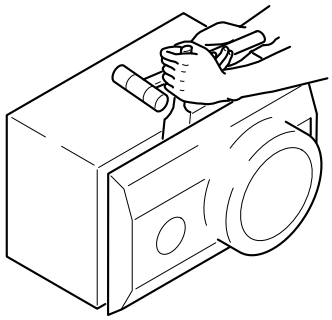


Fig-3

How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

SPEAKER PARTS LIST (SX – ND60)

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						SX-SND60 YUSN
OTHERS		O	1	88-NSK-610-010	SPKR, CERAMIC ASSY	a
OTHERS		O	2	8A-NSJ-006-010	BADGE,AIWA S35	a
OTHERS		O	3	8Z-NS3-026-010	CORD,BUSH L	a
OTHERS		O	4	8B-NSH-612-010	CORD,SPKR	a
OTHERS		O	5	8C-NS6-003-010	PROTECTOR, W	a
OTHERS		O	6	8B-NSK-604-010	SPKR, T 60	a
OTHERS		O	7	8C-NS7-602-010	SPKR, W 160 30/4	a
OTHERS		O	8	8C-NS8-003-010	PANEL,BA L	a
OTHERS		O	9	8C-NS8-004-010	PANEL,BA R	a
OTHERS		O	10	8C-NS7-004-010	PANEL,FR L	a
OTHERS		O	11	8C-NS7-005-010	PANEL,FR R	a
ASS'Y CODE		X	12	PC-NS7-913-070	SX-SND60 YUSN	a
OTHERS		X	13	8C-NS7-001-010	LBL,SPEC YU	a
PACKING DU		X	14	8C-NS7-851-010	CUSHION,ASSY TTC	a

OTHER PARTS LIST (ZZM – 3 YPR4NC)

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						ZZM-3 YPR4NC
ASSY CODE		X		M8-ZZM-39F-070	ZZM-3 YPR4NC	a
PACKING		X		8Z-ZM3-858-010	CUSHION,BOTTOM C	a
PACKING		X		82-ZM3-987-010	BAG,PV 0.04-300-210	a
PACKING		X		8Z-ZM3-857-010	CTN,PRINTED YPR1NC	a
PACKING		X		8Z-ZM3-859-010	CUSHION,TOP C	a
		X		8Z-ZM3-603-010	PWB,COMB 6M C	a

ACCESSORIES PARTS LIST

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
PRINTED DU		O	1	8C-NF7-903-010	IB,U(ESF)FM NSX-D60	a
ACCESSORY		O	2	8C-NF8-703-010	RC UNIT,RC-CAS10(SMK)	a
ACCESSORY		O	3	87-A92-150-010	ANT,LOOP AM NO-CONT	a
ACCESSORY		O	4	87-A92-345-010	ANT,WIRE FM(SEMI-ST)	a

OTHER PARTS LIST (CX – ND60)

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UNIT-NAME	!	C	REF-NO	PARTS-NO	PARTS-NAME	SUFFIX&MODEL
						CX-SND60 USC
LBL,POP		X		8A-NF8-972-010	LBL,POP ENG	a
LBL,POP		X		8C-NF7-970-010	LBL,POP UL	a
LBL,POP		X		8C-NF8-971-010	LBL,POP UR	a
LBL,POP		X		87-B40-034-010	LBL,USA 1-800	a
PACKING		X		87-B40-098-010	BAG,PV 0.025-650-750 PL	a
PACKING		X		8C-NF8-851-010	CUSHION,FRONT USC	a
PACKING		X		8C-NF8-852-010	CUSHION,REAR USC	a
PACKING		X		92-370-716-010	SH,FOAMED-MAT 0.31-700-500	a
PRINTED DU		X		87-B40-085-010	BAG,PV 0.04-200-350 PL	a
PRINTED DU		X		87-B50-053-010	WARR-CARD,USA CUST/AV,VISUAL	a

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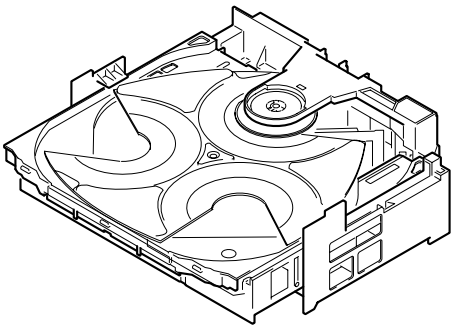
2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110-8710, JAPAN TEL:03 (3827) 3111

2000075 0251431

aiwa SERVICE

BZG-2

English



SERVICE MANUAL

CD MECHANISM

BASIC CD MECHANISM :KSM2131FAM

TYPE	BASIC CD MECHANISM
ZD4NC	KSM-2131FAM
YZD4NC	KSM-2131FAM
ZD4N	KSM-2131FAM
YZD4NCC	KSM-2131FAM

aiwa

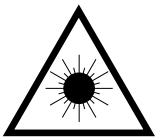
S/M Code No. 09-00C-353-2N2

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynling laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

VARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

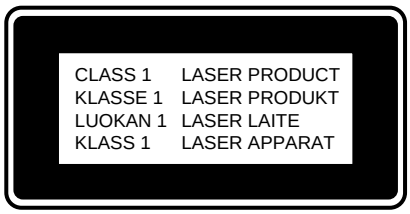
ATTENTION

L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

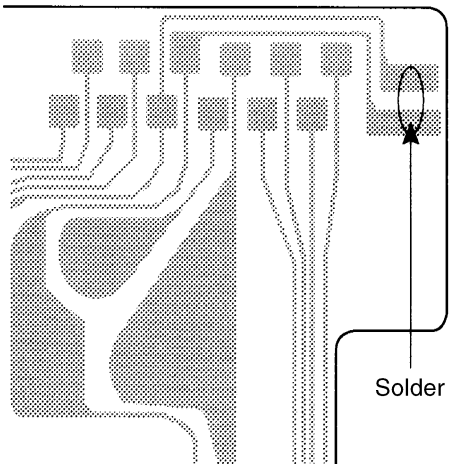


Precaution to replace Optical block (KSS-213F)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in the right figure.

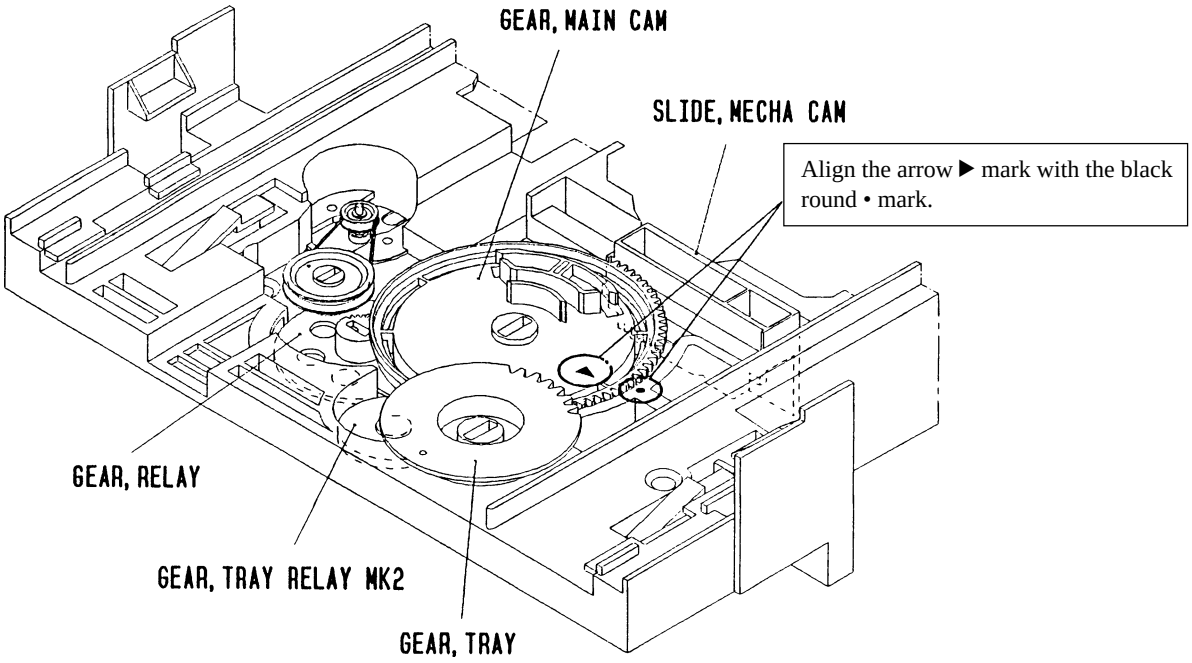
PICK-UP Assy PWB



How to Adjust the Rotating Phase of the Gear, Main Cam

1) Push down the hooking catch of the CHAS. MECH, and remove the TRAY.
2) Align the arrow mark of the Gear, Main Cam with the black round mark of the CHAS, MECHA as shown below.
3) Confirm that the Slide, Mech Cam is located in the right position, then insert the TRAY gently.

Caution: If the rotating phase of the Gear, Main Cam is incorrectly adjusted, the chucking operation and tray movement will have malfunction.



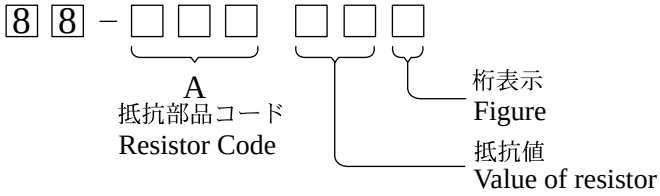
ELECTRICAL MAIN PARTS LIST-1/2

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC			
	87-A21-821-030		C-IC,LC78645E
	87-A21-414-010		IC,BA5927S
TRANSISTOR			
	87-026-609-080		TR,KTA1266GR
	87-026-610-080		TR,KTC3198GR
	87-A30-073-080		C-TR,RT1N 141C
	87-A30-076-080		C-TR,2SC3052F
	87-A30-515-080		TR,2SA1979O/Y
DIODE			
	87-A40-743-080		ZENER,UZ4.3BSA
	87-A40-747-080		ZENER,UZ5.1BSB
	87-A40-270-080		C-DIODE,MC2838
	87-A40-753-080		ZENER,UZ6.8BSB
	87-020-465-080		DIODE,1SS133 (110MA)
MAIN C.B			
C1	87-010-759-080		C-CAP,U, 0.1-25F
C2	87-010-263-080		CAP, ELECT 100-10V
C3	87-A10-915-080		C-CAP,U 1000P-25 J CH
C4	87-010-759-080		C-CAP,U, 0.1-25F
C5	87-010-263-080		CAP, ELECT 100-10V
C6	87-010-405-080		CAP, ELECT 10-50V
C101	87-A10-504-080		C-CAP,U 0.047-16 K B
C102	87-010-759-080		C-CAP,U, 0.1-25F
C103	87-012-195-080		C-CAP,U 100P-50CH
C104	87-012-282-080		CAP, U 4700P-50
C105	87-010-759-080		C-CAP,U, 0.1-25F
C106	87-010-263-080		CAP, ELECT 100-10V
C107	87-010-263-040		CAP,E 100-10
C108	87-010-759-080		C-CAP,U, 0.1-25F
C109	87-010-263-040		CAP,E 100-10
C110	87-010-405-040		CAP,E 10-50
C111	87-010-401-080		CAP, ELECT 1-50V
C114	87-012-188-080		C-CAP,U 47P-50 CH
C115	87-010-759-080		C-CAP,U, 0.1-25F
C116	87-010-263-040		CAP,E 100-10
C117	87-010-263-080		CAP, ELECT 100-10V
C118	87-010-759-080		C-CAP,U, 0.1-25F
C121	87-010-263-080		CAP, ELECT 100-10V
C122	87-010-759-080		C-CAP,U, 0.1-25F
C123	87-012-169-080		C-CAP,U 7P-50 CH
C124	87-012-172-080		CAPACITOR CHIP U 10P CH
C126	87-010-403-080		CAP, ELECT 3.3-50V
C127	87-010-759-080		C-CAP,U, 0.1-25F
C128	87-A10-504-080		C-CAP,U 0.047-16 K B
C129	87-010-403-040		CAP,E 3.3-50 SME
C130	87-010-759-080		C-CAP,U, 0.1-25F
C131	87-010-759-080		C-CAP,U, 0.1-25F
C132	87-010-263-040		CAP,E 100-10
C133	87-010-405-080		CAP, ELECT 10-50V
C134	87-010-759-080		C-CAP,U, 0.1-25F
C135	87-010-260-080		CAP, ELECT 47-25V
C136	87-010-759-080		C-CAP,U, 0.1-25F
C137	87-A10-915-080		C-CAP,U 1000P-25 J CH
C138	87-010-759-080		C-CAP,U, 0.1-25F
C160	87-016-669-080		C-CAP,S 0.1-25 K B
C161	87-A10-484-080		C-CAP,S 1.0U-10 K B
C203	87-010-112-080		CAP, ELECT 100-16V
C204	87-010-759-080		C-CAP,U, 0.1-25F
C205	87-010-263-040		CAP,E 100-10
C208	87-010-759-080		C-CAP,U, 0.1-25F
C212	87-010-405-040		CAP,E 10-50
C213	87-010-759-080		C-CAP,U, 0.1-25F
C214	87-010-759-080		C-CAP,U, 0.1-25F
C301	87-010-382-080		CAP, ELECT 22-25V
C302	87-010-759-080		C-CAP,U, 0.1-25F
C303	87-010-260-080		CAP, ELECT 47-25V
C304	87-010-759-080		C-CAP,U, 0.1-25F
C305	87-A10-915-080		C-CAP,U 1000P-25 J CH
C401	87-012-195-080		C-CAP,U 100P-50CH
C402	87-012-195-080		C-CAP,U 100P-50CH
C403	87-012-195-080		C-CAP,U 100P-50CH
C404	87-012-195-080		C-CAP,U 100P-50CH
C405	87-012-195-080		C-CAP,U 100P-50CH
CN1	87-A60-429-010		CONN,16P H TOC-A
CN202	87-A60-130-010		CONN,5P V FE
CN301	87-A60-154-010		CONN,6P H FE
CN401	87-099-201-010		CONN,8P 6216 H
CNA203	84-ZG1-648-010		CONN ASSY,6P
L101	87-005-469-080		COIL 4.7UH FLR50
M201	87-045-305-010		MOTOR, RF-500TB DC-5V (2MA)
R104	87-012-278-080		C-CAP,U 2200P-50 B
R106	87-012-274-080		CHIP CAP,U 1000P-50B
S401	87-036-109-010		PUSH SWITCH
S402	87-036-109-010		PUSH SWITCH
W1	8B-ZG2-601-010		FF-CABLE,16P 1.0 115MM
W2	8B-ZG2-602-010		FF-CABLE,5P 1.25 185MM
X101	87-A70-318-010		VIB,XTAL 33.8688MHZ CSA-309
T-T C.B			
C401	87-A11-148-080		CAP,TC U 0.1-50 Z F
CN401	87-A60-082-010		CONN,05P H 9604S-05F
M401	87-A91-982-010		MOT,M25E-4 2054
PS401	87-A90-156-010		SNSR,SG-240
MOTOR C.B			
M2	9X-262-513-210		SLED MOTOR
PIN3	91-564-722-110		CONNECTOR 6P
SW1	91-572-085-110		LEAF SW

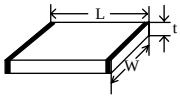
- Regarding connectors, they are not stocked as they are not the initial order items.
  The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

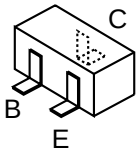
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm) 外形／Form	L	W	t	抵抗コード ：A Resistor Code：A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

TRANSISTOR ILLUSTRATION-1/1

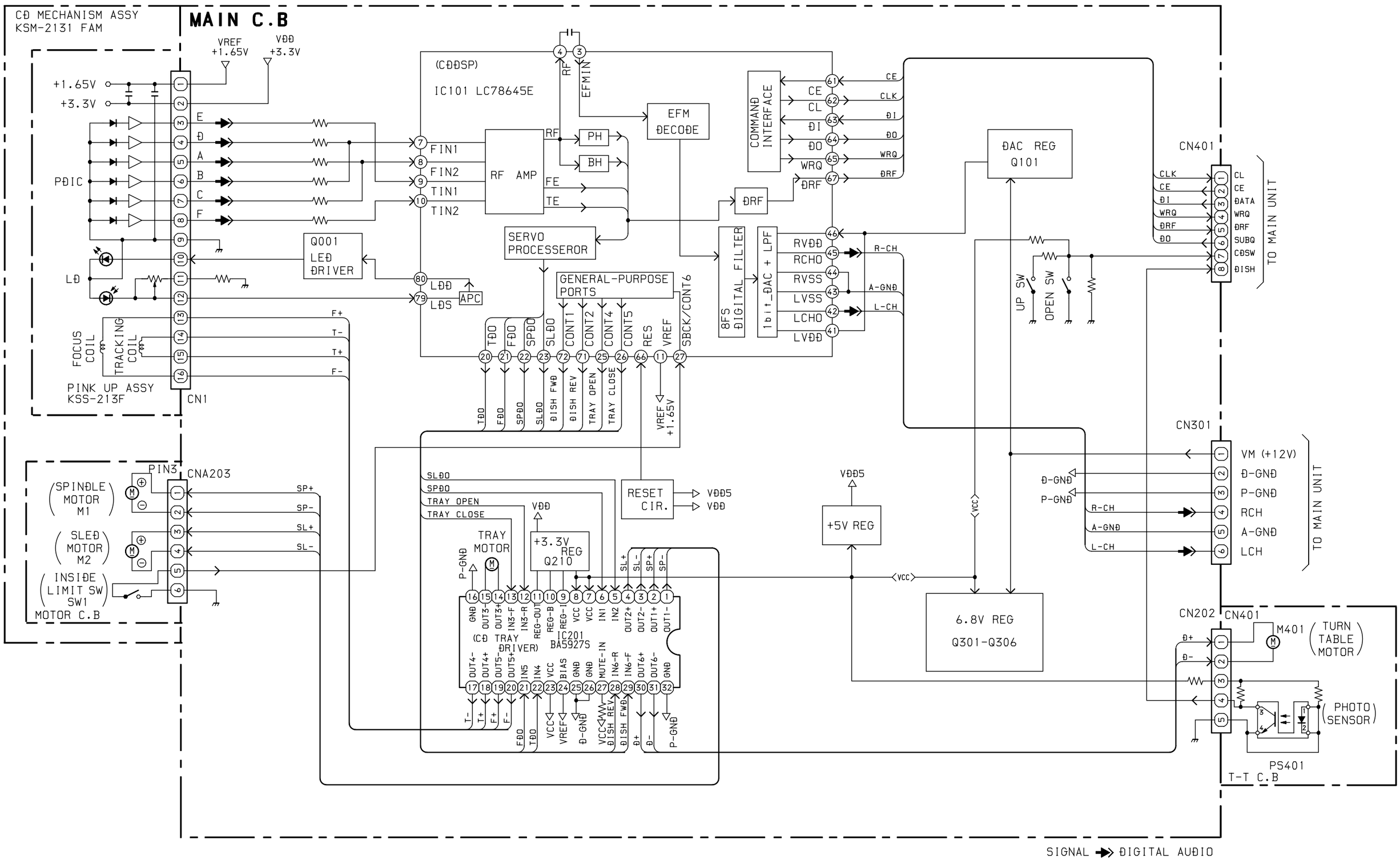


2SC3052F

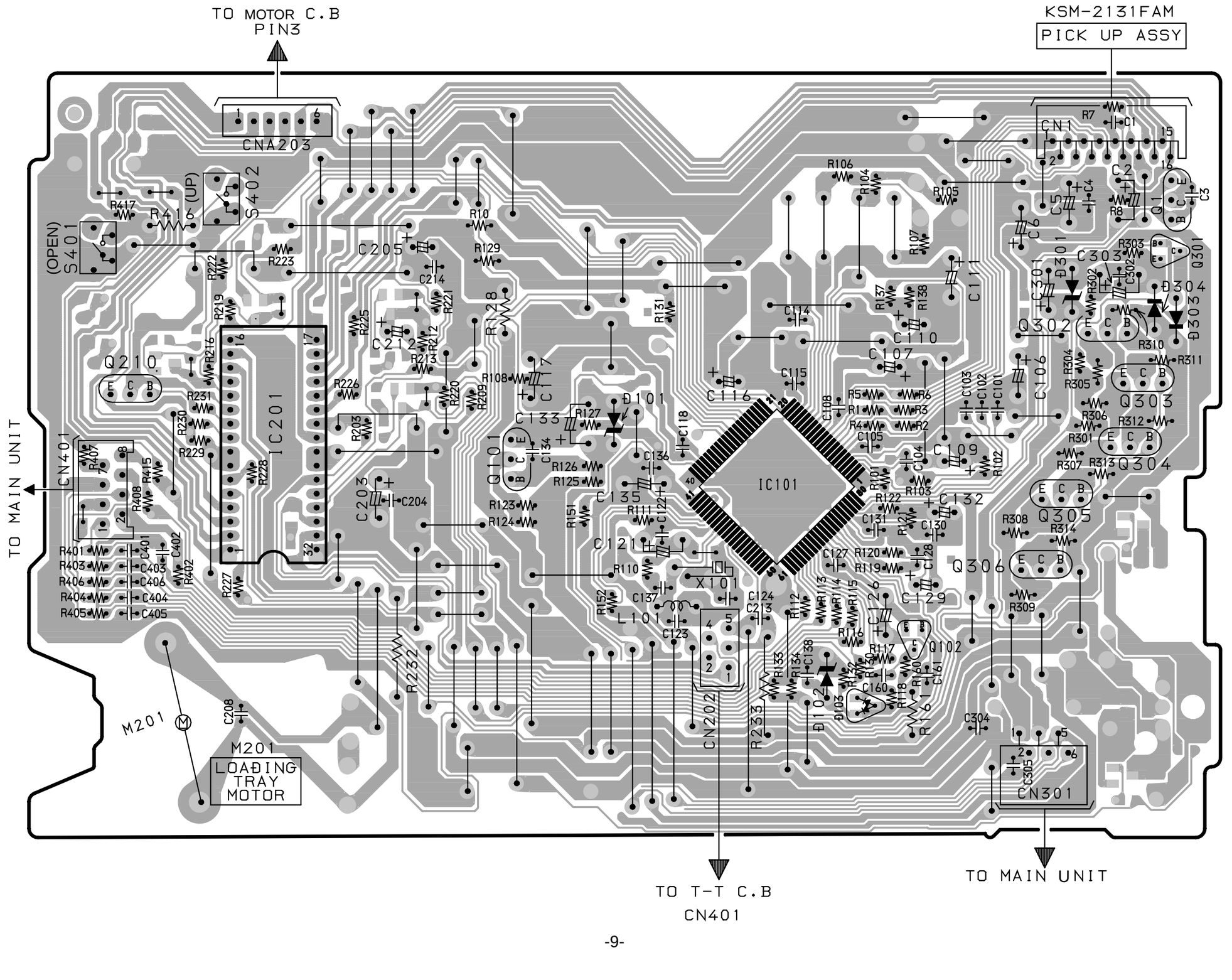
RT1N 141C

2SA19790/Y
KTA1266GR
KTC3198GR

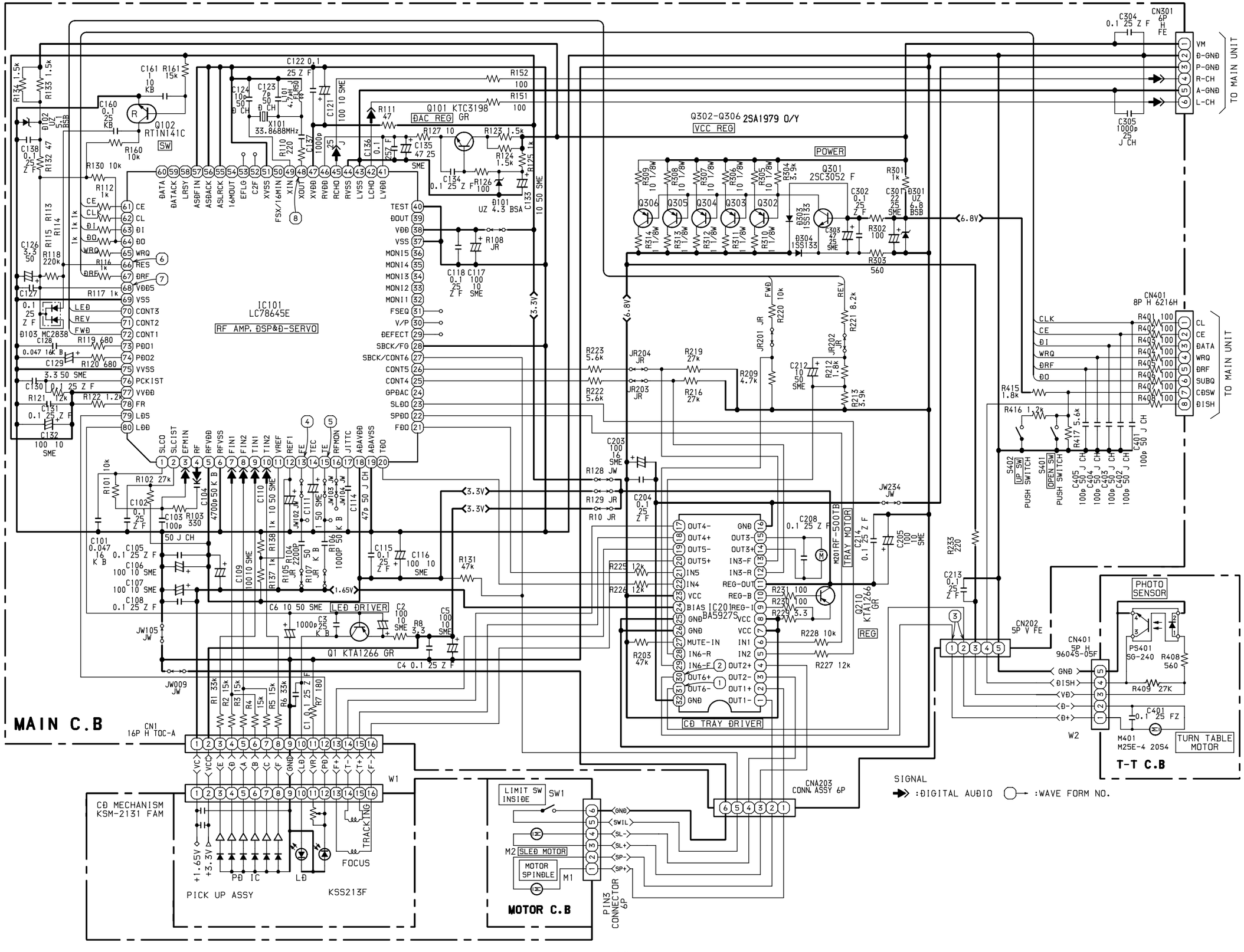
BLOCK DIAGRAM-1/1

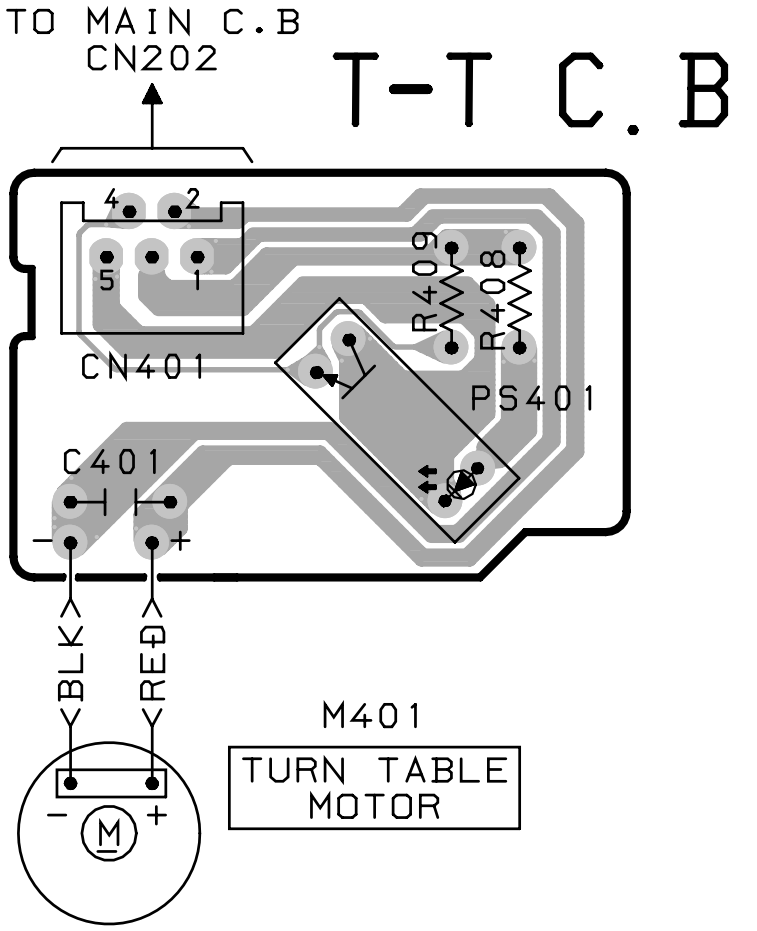


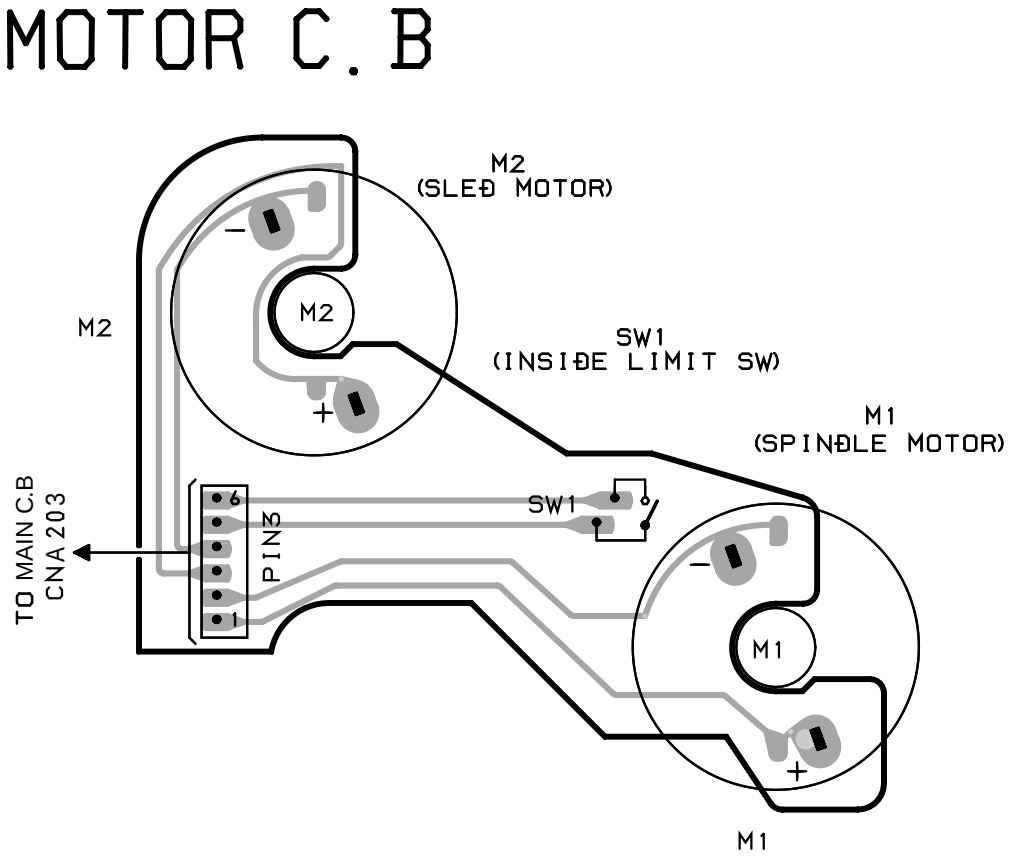
MAIN C.B


TO MOTOR C.B
PIN3
KSM-2131FAM
PICK UP ASSY
CNA203
CN1
S401
(OPEN)
S402
(UP)
R416
R417
C205
R10
R129
R128
C214
R221
R222
R223
R219
R225
C212
R212
R213
R216
R226
R220
R209
R108
C117
R127
D101
C133
C134
Q101
R126
R125
C135
R123
R124
C203
C204
R151
C136
C118
C122
R111
C121
R110
X101
C137
L101
R152
C123
C124
C213
R112
R133
R134
C138
D102
R232
R233
IC201
IC101
CN202
C116
C115
C114
R106
R104
R105
R107
R137
R138
C111
C110
C107
R5
R6
R1
R3
R4
R2
C105
C108
C109
C104
R101
R103
R102
C132
C131
R121
C130
R122
C127
R120
R119
C128
C126
C129
R116
R117
R118
R160
C161
Q102
C160
D103
R161
C304
CN301
C305
C1
C2
C3
C4
C5
C6
R7
R8
Q1
C301
D301
C303
C302
R303
R302
Q301
D304
D303
Q302
R310
R311
R304
R305
Q303
R306
R312
R301
Q304
R307
R313
Q305
R308
R314
Q306
R309
C103
C102
C101
C106
CN401
R407
R415
R408
R401
R403
R406
R404
R405
C401
C403
C406
C404
C405
R402
C402
R227
R228
R229
R230
R231
Q210
C208
M201
LOADING
TRAY
MOTOR
TO MAIN UNIT
TO T-T C.B
CN401
TO MAIN UNIT

SCHEMATIC DIAGRAM-1/1



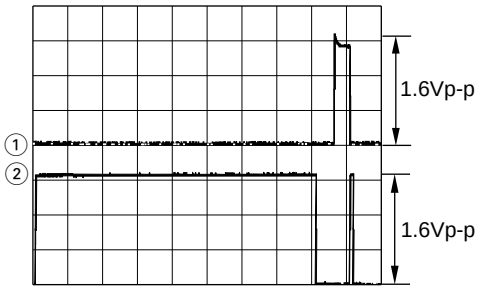

TO MAIN C.B
CN202
T-T C.B
4
2
5
1
CN401
R409
R408
PS401
C401
BLK
RED
M401
TURN TABLE
MOTOR
M


MOTOR C.B
M2
(SLED MOTOR)
M2
SW1
(INSIDE LIMIT SW)
M1
(SPINDLE MOTOR)
SW1
TO MAIN C.B
CNA 203
6
1
PINS
M1
M1

WAVE FORM-1/1

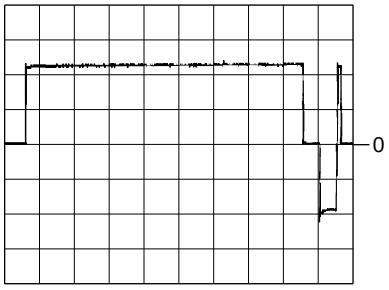
① IC201 ㉛ (OUT6-)
② IC201 ㉚ (OUT6+)

VOLT/DIV: 500mV
TIME/DIV: 200mS



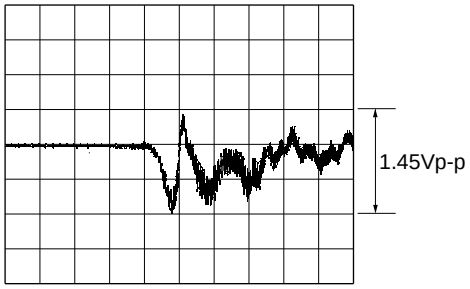
③ Between CN202 ① and ②
(② Pin: 0 Level)

VOLT/DIV: 1V
TIME/DIV: 200mS



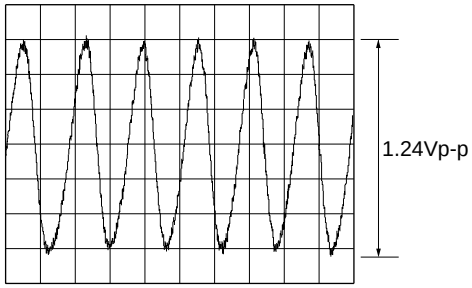
④ IC101 ⑬ (FE)

VOLT/DIV: 500mV
TIME/DIV: 5mS



⑤ IC101 ⑮ (TE)

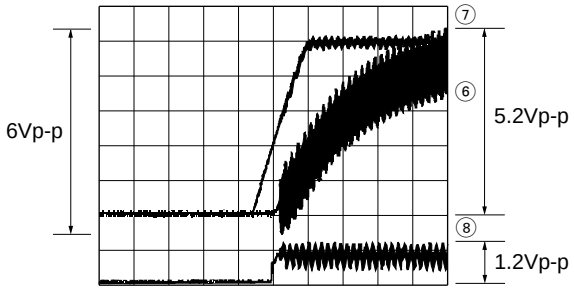
VOLT/DIV: 200mV
TIME/DIV: 200µS



⑥ IC101 ㊻ (RES)
⑦ IC101 ㊽ (VDD5)
⑧ IC101 ㊽ (XOUT)

VOLT/DIV: 1V
TIME/DIV: 10mS

(POWER ON)

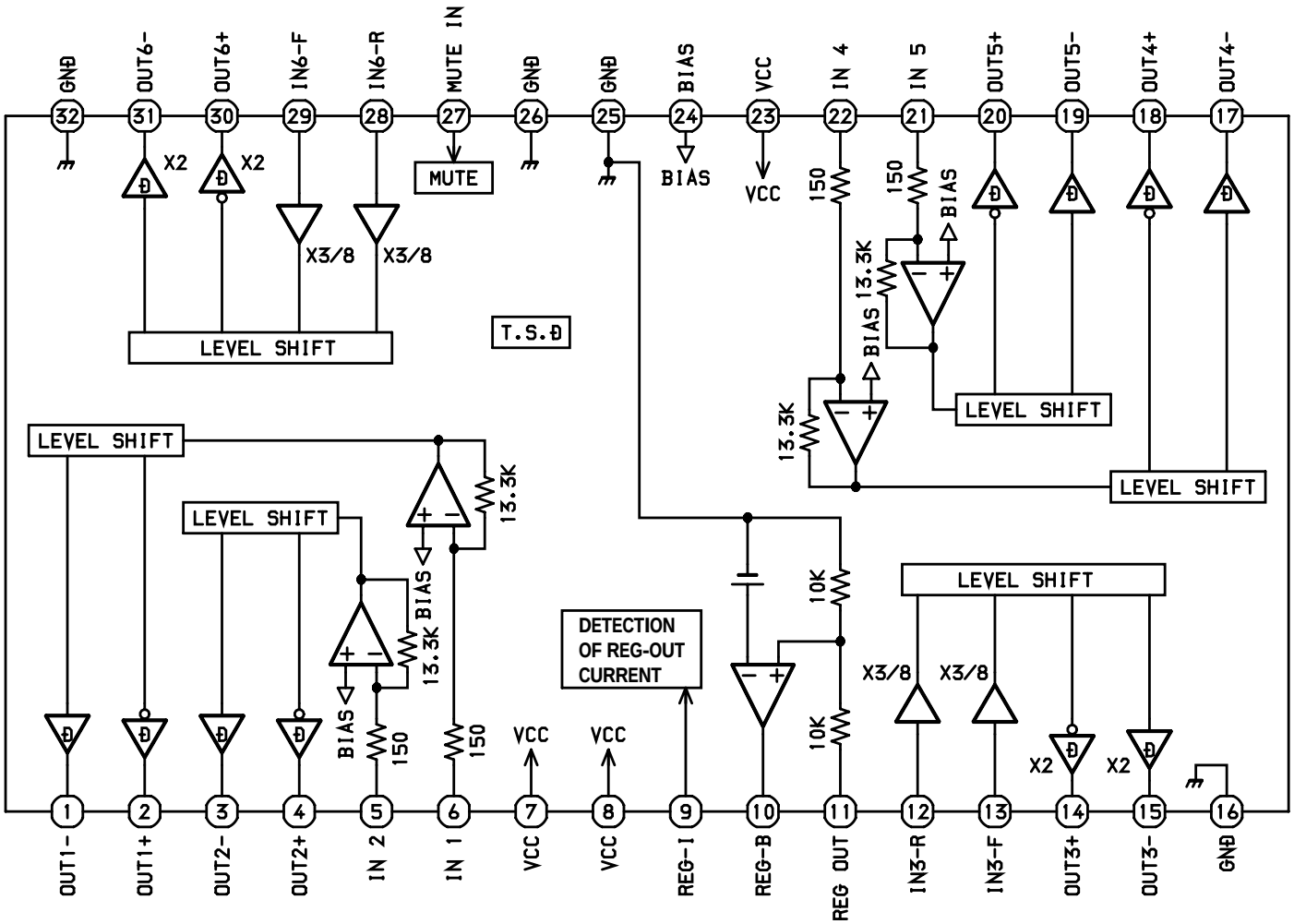


⑥ IC101 ㊻ (RES)
⑦ IC101 ㊽ (VDD5)
⑧ IC101 ㊽ (XOUT)

VOLT/DIV: 1V
TIME/DIV: 10mS

(POWER OFF)

IC BLOCK DIAGRAM-1/1
IC, BA5927S

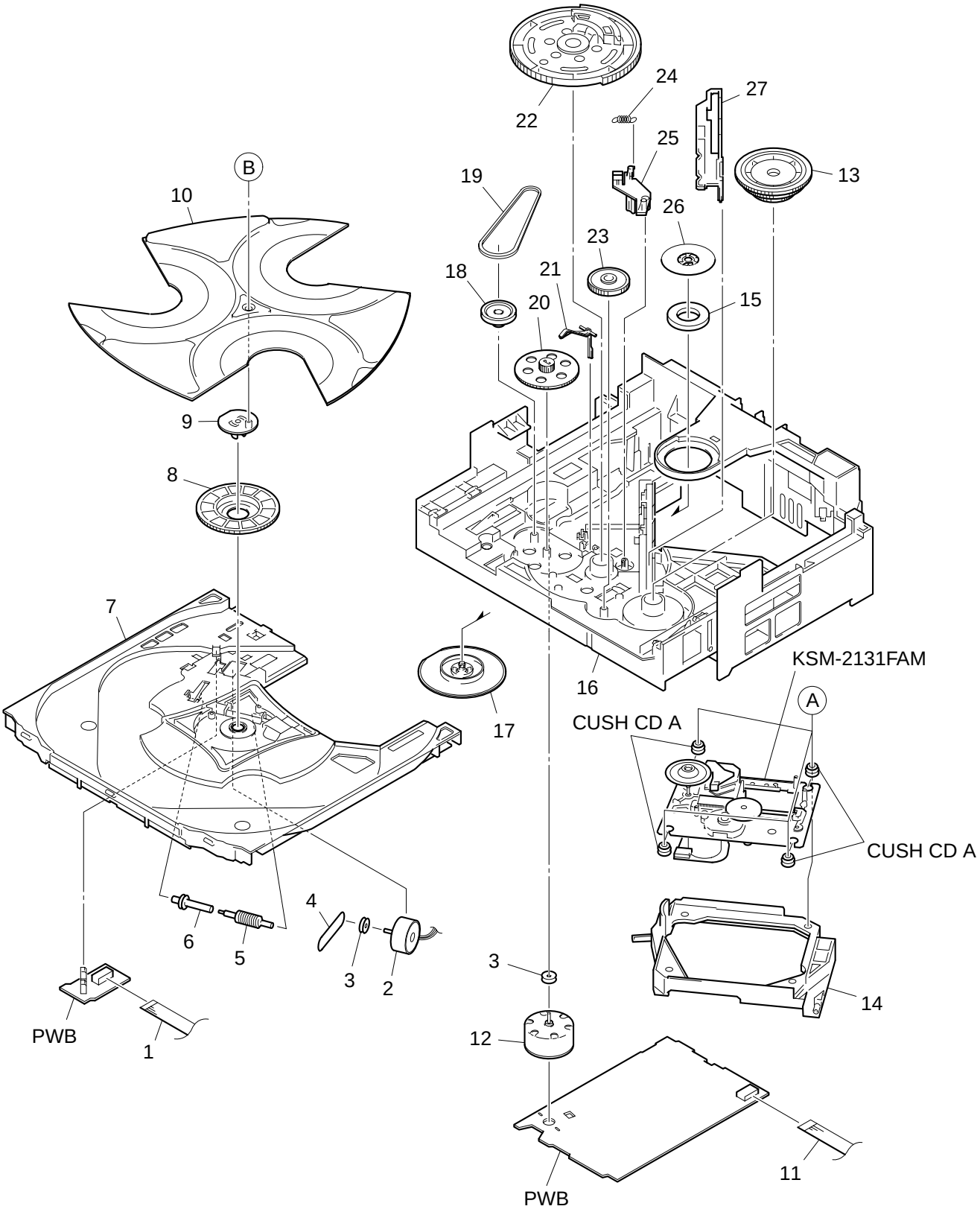


Pin No.	Pin Name	I/O	Description	
1	SLCO	O	Slice level control	Control output.
2	SLCIST	I		SLCO output current adjustment resistor connection pin.
3	EFMIN	I		RF signal input pin.
4	RF	O	RF monitor pin.	
5	RFVDD	—	RF power supply pin.	
6	RFVSS	—	RF ground pin. Must be connected to 0V.	
7	FIN1	I	A+C signal input pin.	
8	FIN2	I	B+D signal input pin.	
9	TIN1	I	E signal input pin.	
10	TIN2	I	F signal input pin.	
11	VREF	O	VREF voltage output pin.	
12	REFI	I	Reference voltage output setting pin.	
13	EF	O	FE signal monitor pin.	
14	TEC	O	TE signal LPF capacitor connection pin.	
15	TE	O	TE signal monitor pin.	
16	RFMON	O	RF internal signal monitor pin.	
17	JITTC	O	Jitter detection capacitor connection pin.	
18	ADAVDD	—	Servo A/D, D/A supply pin.	
19	ADAVSS	—	Servo A/D, D/A ground pin. Must be connected to 0V.	
20	TDO	O	Tracking control output pin. D/A output.	
21	FDO	O	Focus control output pin. D/A output.	
22	SPDO	O	Spindle control output pin. D/A output.	
23	SLDO	O	Thread control output pin. D/A output.	
24	GPDAC	O	Servo D/A general-purpose output pin. (Not connected)	
25, 26	CONT4, 5	I/O	General-purpose input/output pin 4, 5.	Controlled by commands from the microprocessor. Any of these that are unused must be either set up as input pin ports and connected to 0V, or set up as output pin ports and left open.
27	SBCK/CONT6	I/O	General-purpose input/output pin 6, or subcode read clock input pin.	
28	SBCK/FG	I	Subcode read clock input pin/FG signal input pin/external emphasis setting pin. Set to command -pin function. Must be connected to 0V.	
29	DEFECT	O	Defect pin. (Not connected)	
30	V/P	O	Rouge servo/phase control automatic switching monitor output pin. “H” for rough servo and “L” for phase servo. (Not connected)	
31	FSEQ	O	Synchronization signal detection output pin. Outputs a high level when the synchronization signal detected from the EFM signal and the internally generated synchronization signal agree. (Not connected)	
32-36	MONI1, 5	O	Internal signal monitor pin 1, 5. (Not connected)	
37	VSS	—	Digital ground pin. Must be connected to 0V.	
38	VDD	—	Digital power supply pin.	
39	DOUT	O	Digital OUT output pin. (Not connected)	
40	TEST	I	Test input pin. Must be connected to 0V.	

Pin No.	Pin Name	I/O	Description	
41	LVDD	—	L channel D/A converter	Lchannel power supply pin.
42	LCHO	O		L channel output pin.
43	LVSS	—		L channel ground pin. Must be connected to 0V.
44	RVSS	—	R channel D/A converter	R channel ground pin. Must be connected to 0V.
45	RCHO	O		R channel output pin.
46	RVDD	—		R channel power supply pin.
47	XVDD	—	Crystal oscillator	Crystal oscillator power supply pin. Connection for a 33.8688MHz crystal oscillator pin.
48	XOUT	O		
49	XIN	I		
50	FSX/16MIN	I/O	7.35kHz synchronization signal output pin. DF, DAC external clock input pin. (Not connected)	
51	XVSS	—	Crystal oscillator	Crystal oscillator ground pin. Must be connected to 0V.
52	C2F	O	C2 flag output pin. (Not connected)	
53	EFLG	O	C1, C2 error correction monitor pin. (Not connected)	
54	16MOUT	O	16.9344MHz output pin. (Not connected)	
55	ASLRCK	I	Antishock mode	L/R clock input pin. Must be connected to 0V when unused.
56	ASDACK	I		Bit clock input pin. Must be connected to 0V when unused.
57	ASDFIN	I		L/R channel data input pin. Must be connected to 0V when unused.
58	LRSY	O	Digital data output	L/R clock output pin. (Not connected)
59	DATACK	O		Bit clock output pin. (Not connected)
60	DATA	O		L/R channel data output pin. (Not connected)
61	CE	I	Microprocessor interface	Chip enable signal input pin.
62	CL	I		Data transfer clock input pin.
63	DI	I		Data input pin.
64	DO	O		Data output pin. (Nch open drain output)
65	WRQ	O		Interruption signal output pin.
66	RES	I	Reset input pin. This pin must be set low briefly after power is first applied.	
67	DRF	O	Focus ON detect pin.	
68	VDD5	—	Microprocessor interface power supply pin.	
69	VSS	—	Digital ground pin. Must be connected to 0V.	
70	CONT3	I/O	General-purpose output pin 3. (Not connected)	Controlled by commands from the microprocessor . Must be set as an input pin and connected to 0V or set as an output pin and left open when unused.
71, 72	CONT2, 1	I/O	General-purpose output pin 2, 1.	

Pin No.	Pin Name	I/O	Description	
73, 74	PD01, 2	O	PLL	Phase comparison output pin 1, 2 to control built-in VCO.
75	VVSS	—		Built -in VCO GND pin. Must always be connected to 0V.
76	PCKIST	I		Resistor connection pin to set current for PD01 and 02 outputs.
77	VVDD	—		Built-in VCO power supply pin.
78	FR	I		Resistor connection pin to set the frequency range of built-in VCO.
79	LDS	I	Laser power detection signal input pin.	
80	LDD	O	Laser power control signal output pin.	

MECHANICAL EXPLODED VIEW-1/1



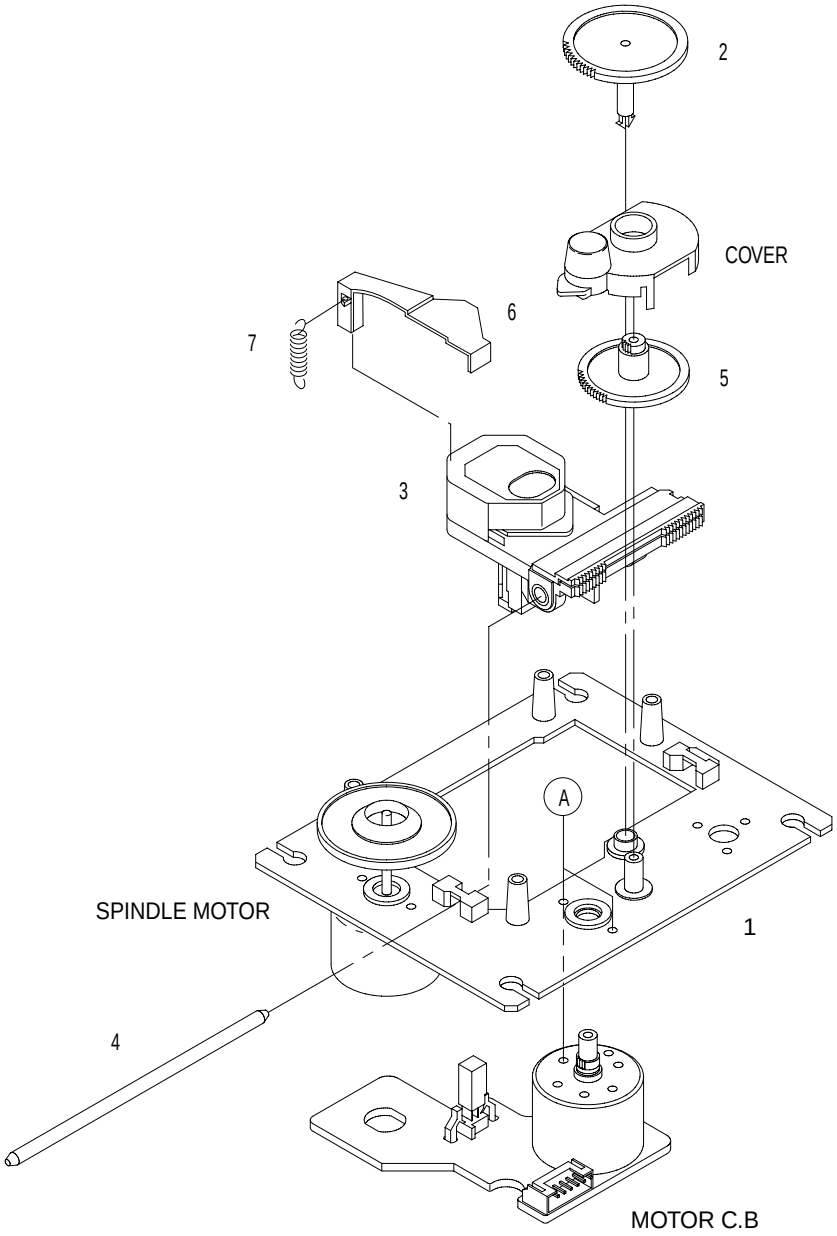
MECHANICAL PARTS LIST-1/1

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8B-ZG2-602-010		FF-CABLE,5P 1.25 185MM
2	87-A91-982-010		MOT,M25E-4 2054
3	84-ZG1-267-010		PULLEY,LOAD MO 8
4	8B-ZG2-246-010		BELT,SQ 1-96.1
5	8B-ZG2-241-010		GEAR,WORM
6	8B-ZG2-236-010		PULLEY,WORM
7	8B-ZG2-001-010		TRAY,2K
8	84-ZG1-269-010		GEAR,MAIN TT 4
9	84-ZG1-288-010		LEVER,TT NAT
10	8B-ZG2-002-011		TURN TABLE,2K
11	83-ZG3-604-010		RING,MAG 2
12	87-045-305-010		MOTOR, RF-500TB DC-5V (2MA)
13	8B-ZG2-226-010		GEAR,TRAY
14	8B-ZG2-206-010		HLDR,MECHA
15	8B-ZG2-601-010		FF-CABLE,16P 1.0 115MM<EXCEPT YZD4NCC>
15	8B-ZG2-601-010		FF-CABLE,16P 1.0 115MM<YZD4NCC>
16	8B-ZG2-201-010		CHAS,MECHA
17	84-ZG1-291-110		HLDR,MAGNET 4 NAT
18	84-ZG1-271-010		PULLEY,RELAY 8
19	84-ZG1-209-010		BELT,SQ1.8-117.7
20	84-ZG1-206-110		GEAR,RELAY
21	83-ZG3-213-010		LVR,SW
22	8B-ZG2-221-010		GEAR,MAIN CAM
23	8B-ZG2-231-010		GEAR,TRAY RELAY
24	84-ZG1-211-010		SPR-E CAM S
25	8B-ZG2-216-010		LEVER,CAM
26	81-ZG1-255-110		PLATE,MAGNET MK2
27	8B-ZG2-211-010		PLATE,MECHA CAM
A	81-ZG1-271-010		S-SCREW MECH REAR
B	87-B10-331-010		VF+3-6 BLK

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange	GM	Metallic Green
YM	Metallic Yellow	DM	Metallic Orange	PT	Transparent Pink
LA	Aqua Blue	GL	Light Green		

CD MECHANISM EXPLODED VIEW-1/1 (KSM-2131FAM)



CD MECHANISM PARTS LIST-1/1 (KSM-2131FAM)

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	9X-264-629-220		MOTOR CHASSIS ASSY(MB)(FR)
2	92-626-907-010		GEAR(A)(S)
3	87-A90-836-010		OPTICAL PICK UP KSS-213F
4	92-626-908-020		SHAFT SLED
5	92-627-003-010		GEAR(B)
6	92-646-697-020		LENS SHUTTER(F)
7	92-646-702-010		SPRIG EXTENSION
A	97-621-255-150		SCREW+P2-3

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